



INDUSTRIES, INC.

We put safety at your feet!

**Specialty
Coatings
Product
Manual**



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PRODUCT DESCRIPTION

DURABAK™

SAFETY COATINGS

DURABAK™ is a tough, single-pack, totally flexible, slip-resistant, water-resistant protective polyurethane coating with self-contained recycled rubber granules for an attractive tough-textured finish. When exposed to atmospheric moisture, **DURABAK™** undergoes a chemical curing process which changes it from a liquid to a tough polyurethane membrane. It has excellent abrasion and chemical resistance. It is also available in a smooth version without the rubber granules.

Both **DURABAK™** (aromatic version) and **DURABAK 18™** (aliphatic version) may be used for indoor and outdoor applications. However, as UV exposure may cause **DURABAK™** to experience some degree of fade, it is recommended to use **DURABAK 18™** for maximum UV protection in outdoor applications. **For outdoor applications of light colors, DURABAK 18™ version must be used.**

DURABAK™ will chemically bond to most clean and dry surfaces. These include, but are not limited to, concrete, wood, fiberglass, metal, rubber and sound-painted materials. Some metal and extremely porous surfaces may need to be primed. Contact **COTE-L** for information on the need for **COTE-L's METCOTE** or other appropriate primers.

DURABAK™ is also available with a fire-retardant additive. Call **COTE-L** for more information.

For additional **DURABAK™** applications, contact your nearest **COTE-L** distributor.

PRODUCT FEATURES

DURABAK™ and **DURABAK 18™** may be applied by roller, brush or spray.

- Totally flexible - will not flake, chip or peel, even when subjected to impact, vibration or bending.
- Easy to apply - no skilled labor required.
- Easy to repair - bonds to itself.
- Can be applied to vertical surfaces without running or dripping.
- Resistant to gas, oil and solvents.
- Resistant to acid and chemicals.
- Heat resistant to 254°F plus.
- Cures with atmospheric moisture. Cold, dry conditions will increase drying time, but will not adversely affect application.
- Slip-resistant, non-porous
- Abrasion resistant
- Water resistant
- Salt water resistant
- UV resistant
- Can be over coated; no bleed-through

- Odorless when cured; will not taint water or food.
- Available in two versions: textured and smooth.
- Comes in a wide spectrum of basic colors, including the safety colors: yellow, red and orange. Color matching also available.
- Can be tinted.

IMPORTANT: Read tinting instructions on the **DURABAK™** technical data sheet (See page 23) before tinting.

- Available in clear: smooth, without pigment or rubber granules.
- Meets or exceeds EPA standards.
- Has been tested for, and demonstrates excellent electrical insulation properties.
- Will encapsulate lead paint. It is the only lead encapsulant that comes in a textured, slip-resistant, rubber crumb version for walking surfaces, and a smooth or textured **DURAZZO™** finish for decorative applications. (See page 16)

SUGGESTED APPLICATIONS

SAFETY

- ramps • steps • pedestrian walkways • playgrounds • Americans with Disabilities Act (ADA) ramps and detectable warning systems (see **SAFTI-TRAX™**, page 17) • tool handles • construction plates • phosphorescent line striping • lead paint encapsulant (LPE) • **fire retardant applications**

AUTOMOTIVE

- trucks, truck beds • buses • trailers • R.V.s • auto underbodies • parking lots

AGRICULTURE

- pickup truck beds • lining for metal water tanks • farm equipment • concrete floors, including milking pens, etc. • wooden floors and steps • horse trailers

FACILITIES

- loading docks • warehouse and decorative residential floors • slip-resistant walkways • corrosion protection for metal structures • lining effluent tanks • catwalks • freight elevators • glow-in-the-dark line striping • industrial freezer floors • refineries • amusement park applications

MARINE

- ship decks • chain lockers • metal steps and docks • boat decks and trailers • dock areas • pleasure boats • sealing rusty pipes • military craft • dredge support vessels • fishing boats • police launches • survey vessels • fishing facilities • ferries • dive support units • passenger boats • tugs

ROADS AND BRIDGES

- curb ramps • bridge walkways • lead paint encapsulant (LPE)

MARKETS

- construction industry • buildings and facilities • heavy equipment • fleet trucks • marine industry • concrete • bridge construction and maintenance • home use application • do-it-yourselfers • lead encapsulation • department of defense • transportation industry

SURFACE PREPARATION

IMPORTANT - READ CAREFULLY!

DURABAK™ will bond well to properly prepared, clean, thoroughly dry surfaces. On sound-painted surfaces, paint must be fully dried or cured to manufacturer's specifications. The solvents in **DURABAK™** will not soften or attack properly dried or cured paint. For fully-cured two-part epoxy substrates, contact **COTE-L Industries** or your distributor before application.

GENERAL DIRECTIONS

Always thoroughly clean the surface of all oily or waxy contaminants and use recommended cleaning solvent. Leave no residue. **Always do a small test on the substrate to ensure adhesion.**

NOTE: Due to the possibility of slight batch color variations, mix partially used cans of **DURABAK™** with new cans as they are opened during applications.

DO'S AND DON'TS

- DO** Use only xylene cleaning solvent as last step before applying **DURABAK™** and to thin **DURABAK™** if necessary.
- DON T** Clean surfaces with lacquer thinners or any solvent containing alcohol, which will prevent **DURABAK™** from curing and bonding.
- DO** Clean surface with strong aggressive detergent and rinse thoroughly. Then use xylene wipe as a last step. Allow xylene to evaporate.
- DON T** Assume surface is clean unless you have cleaned it according to instructions.
- DO** Ensure surface is completely dry and/or catalyzed beforehand.
- DO** Test surfaces beforehand for adhesion with **DURABAK™**.
- DON T** Shake can to mix. (Rubber granules will not mix evenly.)
- DO** Stir **DURABAK™/DURABAK 18™** thoroughly before application (preferably with an electric mixer) to keep rubber granules in suspension.
- DO** Keep **DURABAK™**'s rubber granules in suspension by stirring periodically.
- DO** **Apply **DURABAK™** in at least two coats.** (Two coats is normally sufficient for most applications.)

SURFACE PREPARATION FOR SPECIAL ADHESION

IMPORTANT - READ CAREFULLY!

The following information is provided as a guide only, because substrates can differ significantly. All surfaces should first be tested to ensure adhesion. Contact **COTE-L Industries** for test design.

Concrete

For best results:

New concrete should:

- Be fully cured, for at least 28 days.
- Have a brush finish.
- Be hand troweled (If already power troweled, test for adhesion of **DURABAK™** .)
- Be thoroughly cleaned with a citric cleaner or equivalent, rinsed with water, and thoroughly dried.
- Be wiped with Xylene and the Xylene be allowed to dry immediately before applying **DURABAK™** . (This is recommended, for best results, to ensure there is no remaining residue on the surface.)

NOTE:

- If the new concrete contains plasticizers, a small test for adhesion is essential using a primer such as **COTE-L's METCOTE™** .
- If the concrete is oil-soaked, then see instructions for oil-soaked concrete (see below).

Old concrete should:

- Be completely dry before application of **DURABAK™** .
- Be shotblasted, if possible, and rinsed with water.
or
- Be abraded with a scarifying machine (leaving a roughened surface) and brushed off.
or
- Be thoroughly cleaned with muriatic acid wash.
 1. Use 45% to 50% muriatic acid solution mixed with 3 to 4 parts water.
 2. Agitate solution on surface with a hard-bristled deck brush for approximately 10 minutes, to open pores on surface.
 3. Rinse off with a 5% ammonia/water solution to neutralize acid. (Failing to neutralize acid could leave residue which might cause delamination.)
- Be dried completely. If necessary, use a heat source.
- Be brushed off to remove all residue.
- Be wiped well with xylene immediately before applying **DURABAK™** . This is recommended to ensure there is no residue remaining on surface. Let the Xylene evaporate before applying **DURABAK™** .

NOTE:

- If the old concrete contains plasticizers, a small test for adhesion is essential using a primer such as **COTE-L's METCOTE™** .

Oil-Soaked Concrete

1. Open pores of concrete with muriatic acid and rinse, as above.
2. Apply an oil emulsifier and agitate with deck brush for 10 minutes.
3. Rinse with hot water.
4. Rinse twice with cold water.
5. Dry completely.
6. Wipe with xylene immediately, and then let the Xylene evaporate before applying **DURABAK™** or **DURABAK 18™** .

NOTE: For chemically soaked concrete or other unusually difficult surfaces, contact **COTE-L Industries**.

Sealed concrete should first be tested for **DURABAK™** adhesion:

1. Clean surface thoroughly.
2. Roughen surface.
3. Brush surface off thoroughly.
4. Rinse with water and dry thoroughly.
5. A Xylene wipe is recommended. Let Xylene evaporate.
6. Apply **DURABAK™**
7. If delamination occurs, sealer must be removed by mechanical means (i.e., shot blasting or scarifying).

While it is not usually needed on concrete, a primer can provide enhanced adhesion. Contact **COTE-L Industries** for specific information on surfaces to be primed.

Concrete Plus Primer

DURABAK™ exhibits good adhesion to new acrylic and polyurethane primers applied and overcoated to manufacturers recommendations. Check to make sure primer is compatible with one-part moisture-cured polyurethanes. Be sure to apply **DURABAK™** within time specifications of primer manufacturer. Aim for the first third of the recommended window of opportunity for over coating.

Asphalt

1. Prime surface with a mineral spirit or water-based driveway sealer according to manufacturer's specifications. Be sure the sealer is compatible with both asphalt and one-part moisture cured polyurethanes.
2. Apply **DURABAK™** when primer is thoroughly dry.
3. For oily asphalt, contact **COTE-L** for proper cross-link primer.

Aluminum

1. Abrade to obtain rough surface. May or may not require additional primer. Recommend test for adhesion.
2. If a primer is needed, use **COTE-L's METCOTE™** (see page 14) or another etch primer for aluminum which is compatible with moisture-cured polyurethanes.

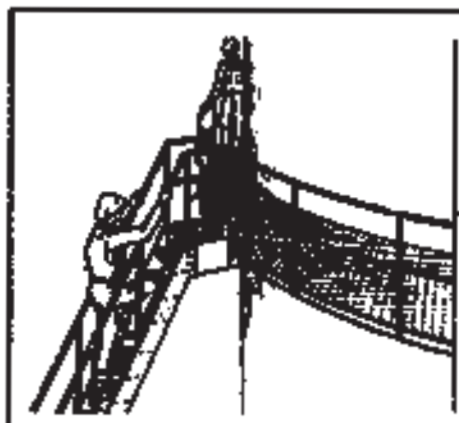
Metal

All smooth metal should be thoroughly cleaned, aggressively roughened and primed with **COTE-L's METCOTE™** (see page 19) or another etch primer which is compatible with moisture cured polyurethanes. **DURABAK™** adheres well to sound-painted metal. Most rough metal surfaces such as pitted rust need not be primed; however, all loose scale should be removed. On applications of extreme wear, such as step nosings, a primer such as **COTE-L's METCOTE™** is recommended. It is recommended to pretest a small area with and without primer.

CAUTION! When priming metal surfaces, the primer must be fully dry before overcoating. Careful attention must be given to manufacturer's recommended window of minimum and maximum time for overcoating primer with polyurethanes. When using primers other than **METCOTE™**, a small test must be done to ensure adhesion of primer to **DURABAK™/DURABAK 18™**. Aim for the first third of the recommended window of opportunity for over coating.

Wood

If wood texture is rough, it may not require special preparation. For best results, abrade surface of wood with 40-grit sandpaper before applying **DURABAK™**.



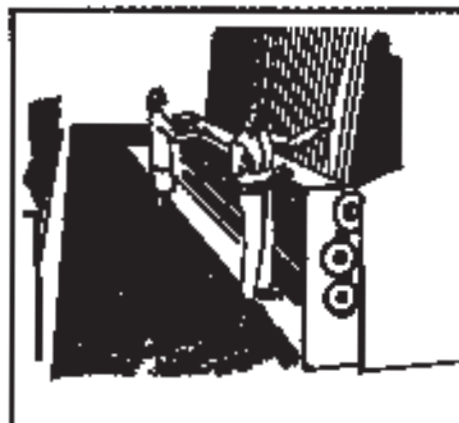
Catwalks



Loading Docks and Ramps



Work Areas



Factory Floors



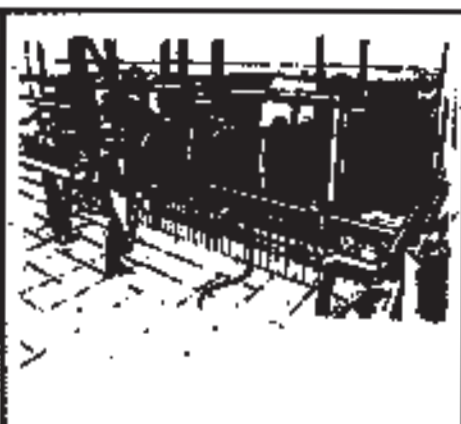
Safety Work Areas



Terraces



Wineries



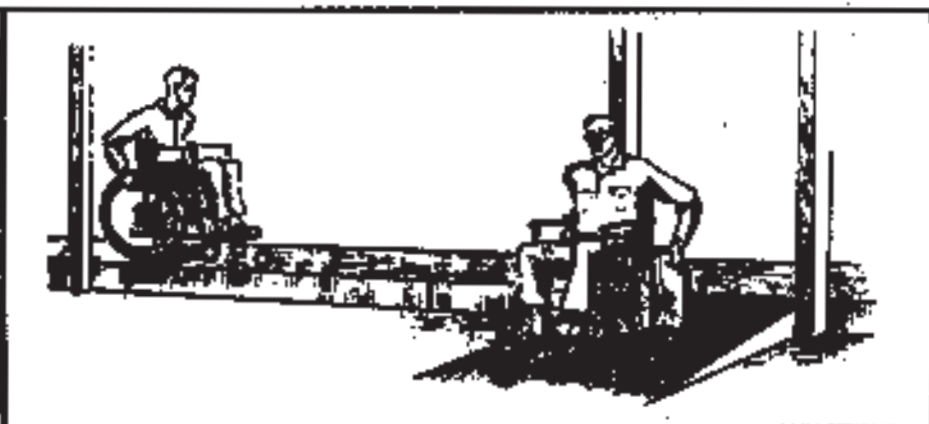
Milking Parls



Animal Areas



Fire Exits



Accessibility Ramps and Walkways

Some pressure-treated woods may need priming. If in doubt, make a small test application first. **DURABAK™** will bond to wolmanized treated wood without priming.

Paint and Varnish

1. Remove all peeling, cracking or chipping paint.
2. Clean surface thoroughly.
3. For best results, lightly abrade surface.
4. Clean the surface with a good cleaner, such as tri-sodium phosphate (TSP). Test in small area to make sure cleaner isn't softening the painted surface.
5. It is strongly recommended to wipe surface with xylene immediately before **DURABAK™** application.
5. In the case of epoxy coatings which become very hard with age, clean, then abrade surface with 40-grit sandpaper. Rinse, dry, and test for adhesion. If poor adhesion occurs, soak with Xylene for 10 minutes, wipe off, roughen and wipe once more with Xylene.

For more information, contact **COTE-L**.

Rubber

Clean well using detergent or cleaning solvent, such as rubbing alcohol, to remove all surface release agents. Rinse well and allow to dry. Abrade surface aggressively, wipe off with Xylene, and then apply **DURABAK™**.

NOTE: **DURABAK™** will not bond to chlorinated rubber.

Fiberglass

Good adhesion can be obtained on unweathered gel-coated glass, rough fiber, side molded glass, and smooth-mold resin-side glass. Surface should be free of release agents, waxes and other production additives, then roughened well with 40-grit sandpaper to remove all gloss, leaving a high profile surface. To ensure optimal bonding, use **COTE-L's METCOTE™** primer (see page 14) or epoxy primers compatible with both fiberglass and moisture-cured polyurethanes. Do a small test for adhesion.

Ceramic Tile

Remove glaze from tile with a grinder, rinse with water and let dry. Apply **MET-COTE™** primer and let dry thoroughly. Then apply **DURABAK™** within 12 hours.

HOW TO APPLY

DURABAK™ for roller, brush or spray applications is available in one-quart and one-gallon containers. For volume applications, it is also available in five-gallon containers by special order.

Before applying **DURABAK™**, it is important that the surface to be coated is completely clean. (See Surface Preparation.) Mask all areas not to be coated. Remove masking tape after application of second coat. Use a razor knife to cut along the taped edge.

IMPORTANT - READ CAREFULLY!

DURABAK™ contains flammable solvents. Ensure proper ventilation and fire precautions.

ROLLER APPLICATION

Apply **DURABAK™** with special, open-foam stipple roller (only available through **COTE-L Industries** or an authorized **DURABAK™** dealer). Use only a **DURABAK™** special stipple roller -- other rollers will not pick up and spread **DURABAK™** evenly. Rollers are available in 9" and 4" sizes. Use approximately one 9" roller sleeve for 1 to 1-1/2 gallons.

NOTE: It is recommended that the smooth version of **DURABAK™** be applied with a 3/16" nap mohair varnish roller.

Apply first coat as a thin coat to fully cover. When touch dry (usually within one hour), apply second coat. To avoid "mud cracking" or pooling, do not apply **DURABAK™** too thickly. Pour a small amount of Xylene over rollers between coats so rollers will not dry out. Intercoat/curing time may be significantly shortened by the use of the special accelerator (see section on accelerator). Extreme climactic conditions of heat, humidity and cold can shorten or lengthen this period.

BRUSH APPLICATION

DURABAK™ can be applied with a soft paint brush in two coats at right angles to one another. (**DURABAK™** is not a paint, and should be laid onto the surface, in one direction, not brushed out as an oil or latex paint.) Between coats, clean brush only with Xylene. The second coat can be applied as soon as the first coat is touch dry (usually within one hour). Extreme climactic conditions of heat, humidity and cold can shorten or lengthen this period.

COVERAGE

One quart covers a flat area of about 15 square feet in two coats; one gallon covers approximately 60 square feet with two coats and a final dry coat thickness of 25-35 mils.

IMPORTANT ADVICE!

- **DURABAK™** should be stirred thoroughly before applying -- preferably with an electric paint mixer attachment -- as shaking can will not distribute rubber granules evenly.
- Stir periodically to maintain rubber granules in suspension.
- To avoid "mud cracking" or loss of slip-resistance, do not allow **DURABAK™** to pool.
- **DURABAK™** is a moisture-cured product. An open or partially used can will thicken and eventually become unusable. Seal can well and turn upside down for a few seconds. This will seal any space in the can and may prolong the life of the unused portion of **DURABAK™**. Putting unused portion into a smaller container may help prolong the life of the product, as well. Make sure that the rim of the new container remains free of **DURABAK™** to avoid difficulty in reopening the container.
- If the product thickens slightly, it can be thinned by using up to 15% Xylene without affecting performance.

IMPORTANT:

- Other solvents can cause product failure. Do not dilute product or clean rollers, brushes or spray guns with lacquer or alcohol-based thinners.
- Once the consistency of the product has become pasty and unmixable, it should be discarded. If **DURABAK™** is thick but still liquid, it can be thinned with Xylene and used.
- Normally, regular **DURABAK™** can be subjected to light foot traffic within 6 to 12

hours. The dry/cure time can be reduced significantly by using **COTE-L's** accelerator. The coating should not be subjected to cleaning or chemical exposure until fully cured, in 2-4 days (approximately 96 hours). For specific extreme kinds of loading, consult your **DURABAK™** dealer.

- **DURABAK™** takes approximately two to four days to fully cure: less in hot humid conditions, and more in cold dry weather. In cool dry weather, the curing time for **DURABAK™** (not **DURABAK 18™**) can be reduced by up to 75% with the addition of an accelerator. In hot humid weather, no accelerator is needed.
- **DURABAK 18™** may or may not require an accelerator. If it is required, it will be included in the shipment and it will be indicated on the packing slip. For further information, contact **COTE-L Industries. Inc.**
- PLEASE NOTE that full curing time only affects the amount of time required to wait before subjecting the surface to cleaning and chemical exposure. Surface can be subjected to loading and light foot traffic long before this minimum time requirement.

SPRAY APPLICATION

DURABAK™ can be sprayed using a simple shutz gun, a hopper gun, or professional spray equipment. Make sure to thoroughly mix **DURABAK™**. A drill with a mixing adaptor works best. **DURABAK™** should flow through the spraygun easily and can be thinned with xylene.

1. COTE-L's shutz gun with a 1/4" orifice (and no filter), attached to a 45-60 PSI compressor
 - Attach spray gun to compressor air line, giving pressure of 40 to 60 psi.
2. Use a conventional spray gun, such as Binks #2001 gun, with the following specifications, or equivalent: 67 fluid nozzle; 567 fluid needle; 67 PB air cap; heavy-duty (#54-1372) needle spring; 2-28 teflon fluid packing; 1/2" I.D. (#71-283) fluid hose with 3/8" connectors (#72-1333), and 3/8" I.D. air line with 1/4" connectors (#71-1355).
 - To remove contaminants from the air line, use Oil & Water extractors mounted at the pressure tank.
3. Sears Craftsman No. 15524 (or De Vilbiss AS 300) with external mix nozzle. Requires 7 CFM. Use compressor with 9 CFM at 50 psi. (For more information call De Vilbiss Air Power Tools at (901) 423-7983.)
4. Airless spraygun: Graco Bulldog 33:1 with air intake pressure = 6-7 bar (90-100psi). Outlet pressure = 100 bar (+/- 3000 psi). Tip: 0.039 ins (ie 35-39 thou). Delivery rate: 2.9 Gallons per minute.
5. For smooth **DURABAK™**, Graco Bulldog 33:1 with 21-23 thou. tip.
 - Use a respirator with chemical absorbing cartridges, such as Binks #40-128.
 - Before starting the job, spray a few short bursts away from the surface to test that everything is working properly.
 - If **DURABAK™** does not spray easily and evenly, thin with Xylene.
 - Spray an even coat over the entire surface to be covered. Be careful not to apply coat too thickly.
 - When surface becomes tacky -- between 20 minutes and one hour, depending on weather conditions --- spray second coat. Extreme climactic conditions of heat, hu-

midity and cold can shorten or lengthen this period.

- Intercoat / curing time can be significantly shortened by use of special accelerator (see section on accelerator).

IMPORTANT ADVICE!

- Remove any over-spray immediately with Xylene. Once cured, **DURABAK™** is very difficult to remove.
- Solvents released when spraying are flammable. Observe all fire precautions. Proper ventilation is required.
- Clean spray gun between coats and immediately after job is completed. Use only Xylene.

THE CARE AND MAINTENANCE OF DURABAK™ SURFACES

Once **DURABAK™** coatings have fully cured, they are very easy to maintain. Because **DURABAK™** cures to an impermeable membrane, all dirt sits on the surface.

[CAUTION! If dirt sets in on **DURABAK™** surface while it is soft and before it is cured, it could become permanently inbedded.]

1. Use any general floor cleaner, from a neutral household cleaner to a degreaser.
2. IMPORTANT! For best results, use a stiff bristled deck brush to agitate cleaner on the surface. [A cotton mop is not recommended since pieces of mop may get caught on high profile of **DURABAK™** surface.] A synthetic fiber material mop may be used if a deck brush is unavailable.
3. Rinse surface thoroughly to remove all residue.
4. Remove all water with a sponge mop, a 24 oz. mop or water vacuum.

ALTERNATE METHODS

For larger areas, where the above method is not time efficient, there are alternatives available to expedite cleaning.

Pressure Washer

A wide-angle water pressure spray of 600-700 PSI can clean **DURABAK™** without damage to the surface.

Rotary Machine

A rotary 14" waxing-type machine with a (thickline) blue pad can be used.

Rinse-Free Detergent

If a rinse-free detergent is used, the dirty water pickup can be done with a water vacuum.

Automatic Scrubbers

DURABAK™ surfaces can also be cleaned with automatic scrubbers. These are machines which, in one pass, put down the washing solution, scrub the floor with a (blue) pad, and vacuum up the dirty water. The pad pressure used in the scrubber (using a blue pad) need only be sufficient for the pad to make light contact with the floor. Heavy scrubbing over time will negatively affect the **DURABAK™** surface.



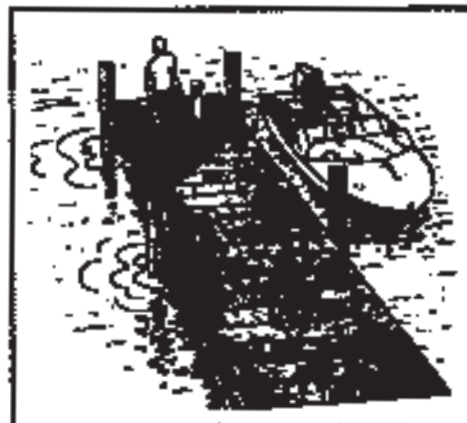
Bus Floors and Treads



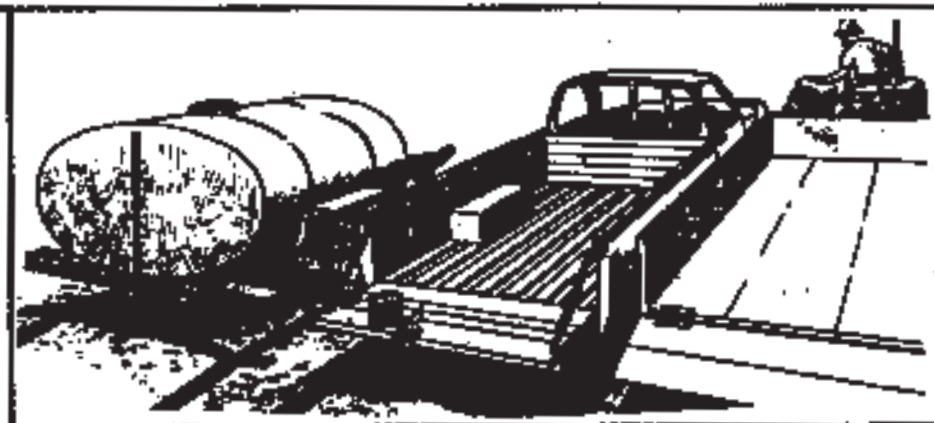
Trucks



Aircraft



Marine Docks / Pleasure Craft



Automotive Truck Surfaces



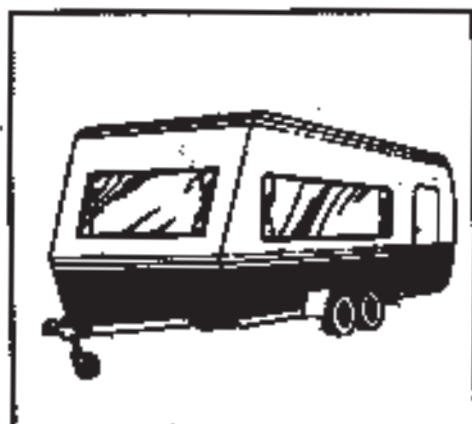
Forklift Areas



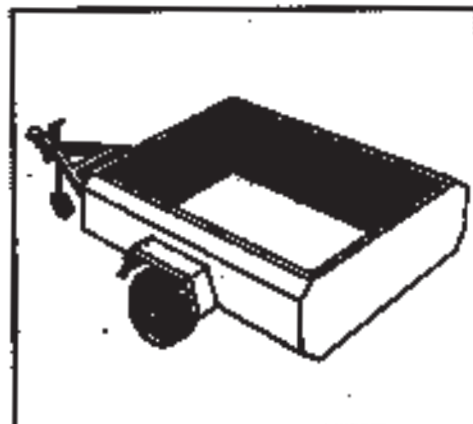
Pickup Truck Bedliners



Automotive Undercoating



House Trailers and RVs



Trailers

SPECIFIC CLEANING ISSUES

Grease Spillage

To clean a **DURABAK™** surface of a greasy or slippery solution, it is necessary to use a slightly more aggressive detergent, containing a degreaser, available from chemical suppliers.

Removal of Sticky Substances

For removal of gum or other sticky substances from a **DURABAK™** surface, use a pressure washer. A wide-angle water-pressure spay of 600 to 700 PSI, at an angle of 35-40 degrees, should enable the removal of gum pieces within 10 to 15 seconds without damage to the **DURABAK™** coating.

Removal of Organic Stains

Organic stains, such as leaves, can be removed using a quaternary or a slightly acidic cleaner with a neutral pH. Leave on for five or 10 minutes. Rinse off according to manufacturer's recommendations. This will only work if the stain has occurred after **DURABAK™** has fully cured.

Chlorine

If left on the **DURABAK™** surface, concentrated chlorine will discolor **DURABAK™**. Immediately rinse off the concentrated chlorine with water.

REPAIRING OR OVERCOATING DURABAK™

DURABAK™ or **DURABAK 18™** can easily be repaired or over-coated (once cured), as it bonds to itself.

- Cut out all damaged **DURABAK™** to eliminate uneven edges.
- Clean dirt from area to be repaired and rough up surrounding **DURABAK™** with 60-grit sand paper.
- Clean area with Xylene.
- On exposed surfaces to which **DURABAK™** does not bond easily, a primer may be needed.
- Brush, roll, or spray fresh **DURABAK™** onto cleaned areas, as per application instructions.

ACCELERATOR

PRODUCT DESCRIPTION

For Regular **DURABAK™** (not **DURABAK 18™**)

A liquid accelerator (available from **COTE-L** or an authorized **DURABAK™** dealer) can be used to reduce the drying/curing time by up to 75%, depending on the climactic conditions. This may be helpful in areas of low atmospheric moisture, or when shorter curing/drying times are required. The accelerator comes in premeasured packets or cans, one for quarts and one for gallons.

For **DURABAK 18™**

See page under "coverage" section.

DIRECTIONS

- Contents of accelerator should be added to the **DURABAK™** can upon opening, at the ratio of one quart-packet or can per quart, or one gallon-packet or can per gallon.
- The mixture should be stirred thoroughly to assure complete blending, then applied as per **DURABAK™** regular instructions.
- Accelerator will not affect product performance. It only speeds drying and curing time.

SILICON CARBIDE

PRODUCT DESCRIPTION

For added slip resistance in very wet conditions or extreme slopes, 60-grit silicon carbide can be broadcast onto the top coat of the **DURABAK™** application.

DIRECTIONS

- Use a simple flour shaker covered with a stretched piece of old stocking to facilitate the application. (Shakers are also available from **COTE-L Industries**.)
- The silicon carbide should be applied immediately after the top coat **DURABAK™** has been laid and while it is still very wet.
- Sprinkle silicon carbide lightly over the wet **DURABAK™**, as evenly as possible.
- One ounce of silicon carbide will cover approximately eight square feet of **DURABAK™**.

PRIMECOTE™

PRODUCT DESCRIPTION

PRIMECOTE™ is a two-part polyurethane primer which is compatible with **DURABAK™**. It comes in two cans, one nested on top of the other. It can be used on porous and non-porous surfaces. It is less viscous than **DURABAK™** and is an adhesion enhancer.

IMPORTANT! Do not apply **DURABAK™** on top of **PRIMECOTE™** after it has dried over 12 hours. If beyond 12 hours, roughen lightly and reprime.

USES

While most surfaces do not require priming with **PRIMECOTE™**, the following is a list of some surfaces which do: (**METCOTE™** can also be used for these surfaces.)

- quarry tile
- stoney concrete
- aluminum
- ceramic tile (glaze must be ground off to leave a rough finish, then primed)
- diamond plate
- steel nosing on steps
- some highly polished metal surfaces which need to be roughened first.

DIRECTIONS

- Open the bottom can and stir thoroughly.
- Open top can and pour entire contents in with material in bottom can. (If total contents doesn't pour out, poke a few small holes in top can.)
- Stir contents together thoroughly.
- Apply immediately after mixing.
- Using a short-nap (varnish) roller, or a soft paint brush, apply onto surface to be primed.
- Do not allow **PRIMECOTE™** to pool on the surface or foaming will occur.
- When tacky to touch dry, coat surface with **DURABAK™**.
- Clean up with Xylene

PRODUCT DESCRIPTION

METCOTE™ is a quick-drying single-pack anti corrosion heat-resistant etch primer polyvinyl butyral coating for non porous surfaces. It can be used on iron, steel, aluminum, fiberglass, galvanized metal, concrete, and other porous surfaces.

PRODUCT USES

- Primer for **DURABAK™** and **DURABAK 18™**
- Primer for metal and fibreglass surfaces
- Heat resistant metal coating (up to 428°F)
- A postblast primer on steel work

ADVANTAGES

- One part
- Excellent adhesion to metal
- Quick drying (30 minutes at 77°F)
- Can be topcoated with most paints after dry
- Economical
- Good resistance to acid, alkali and water
- Non flammable when cured
- Shelf life 2+ years. Once opened, can be reclosed and will remain useable for a long period afterwards. If product begins to thicken, it can be thinned with lacquer thinner, MEK, Propanol, Acetone or other similar polar solvents.

COLOR

Black

COVERAGE

Approximately 145 sq. ft./quart.

SURFACE PREPARATION

All surfaces must be clean of dirt and release agents, dry, firm and free of rust and mill scale. All surfaces should be roughened. **METCOTE™** will provide a fair bond to smooth surfaces, but roughening the surface will greatly improve adhesion.

Iron

Abrade the surface with 60 to 80 grit sand paper. If abrasive blasting is desired, the blast profile should not exceed 50 microns (or 2 mils).

Galvanized Iron

Wash with a galvanized iron cleaner until a water break free surface is obtained (i.e. no beading). Rinse with clean water.

Aluminum

Abrade with 60 to 80 grit sandpaper, then rinse with solvent (listed above).

NOTE: The finished surface on all substrates should have a scored, roughened profile for best adhesion.

APPLICATION

- Stir **METCOTE™** well.
- Apply thinly (less than 1.7 mils) by brush or roller
- For conventional spray application, thin with lacquer thinners (approx 20%) to 16-20 secs (Ford Cup 4).

APPLICATION TEMPERATURE

23°F - 122°F

NOTE: Lacquer thinners must not come into contact with **DURABAK™** or **DURABAK 18™**. Allow **METCOTE™** to dry completely before overcoating with either **DURABAK™** or **DURABAK 18™**.

OVERCOATING

Allow a minimum of 30 minutes (at 77°F) to a maximum of 24 hours. For best results, recommend overcoating **METCOTE™** within 12 hours. When applying any polyurethane coating such as **DURABAK™**, **METCOTE™** must be completely dry before overcoating. If dirt or other contaminants get onto the **METCOTE™** surface, clean with water and detergent or turpentine (do not use xylene) and dry thoroughly before applying **DURABAK™** or **DURABAK 18™**. Do a small test for adhesion. If adhesive fails, lightly abrade **METCOTE™** surface and reapply **METCOTE™**.

IMPORTANT ADVICE!

- Observe safety precautions as noted on can.

CLEANING

- Use lacquer thinners
- WARNING: Do not use the same brush, roller, or spray gun for applying **DURABAK™** or **DURABAK 18™** after applying **METCOTE™**. Wet lacquer thinners will prevent **DURABAK™** or **DURABAK 18™** from bonding.

LIMITATIONS

- When used for exterior use on iron, the product must be topcoated within 24 hours, to prevent corrosion.
- The Dry Film Thickness must be kept at 1.2 mils or less, especially if the topcoat has strong solvents.

DURAGLOW™ GLOW-IN-THE-DARK DURABAK™

PRODUCT FEATURES

Safety yellow phosphorescent line striping for buildings, ships, stadia steps, etc.

APPLICATION INSTRUCTIONS

1. Using **COTE-L's** special stipple roller, apply one coat of safety yellow **DURABAK™**.
2. Add the quart-sized packet (7.5 ounces) of phosphorescent powder per quart of **DURABAK™** or **DURABAK 18™** clear and stir well.
3. Using a 3/16" nap standard mohair varnish roller, apply this mixture of clear **DURABAK™** and phosphorescent powder over the dried safety yellow **DURABAK™** application.
4. Two pounds of **DURAGLOW POWDER™** mixed with one gallon of **DURABAK™** Clear covers approximately 128 square feet with one coat.

PRODUCT DESCRIPTION

DURAZZO™ combines the uniqueness of **DURABAK™** with **DURAFLAKES™** decorative paint chips to create a decorative floor covering, in both smooth and slip-resistant versions, available in an endless combination of colors and designs.

NOTE: **DURAZZO™** is not recommended for garage floors.

APPLICATION INSTRUCTIONS

Please read all instructions carefully before beginning.

1. Prepare surface as per instructions for a **DURABAK™** application.
2. Apply a single coat of **DURABAK™** or **DURABAK 18™** to the surface. [Approximately 30 square feet per quart, 120 square feet per gallon.] This acts as the background color for the **DURAZZO™** application.
3. While first coat is very wet, immediately broadcast **DURAFLAKES™** over the surface using the accompanying shaker/container. Distribution and density of **DURAFLAKES™** on surface can be varied to suit preference.

NOTE:

- **DURABAK™** surface must be wet in order for the **DURAFLAKES™** to adhere.
 - **DURAFLAKES™** can be applied as each small section is freshly coated with **DURABAK™**, or after larger surfaces have been coated, using spiked golf shoes to walk on the wet **DURABAK™**. However, **DURABAK™** must be wet in order for the **DURAFLAKES™** to adhere.
 - **DURAFLAKES™** are available in white, yellow, black, brown, grey, dark blue, light blue, terracotta, turquoise and dark green, in any combination.
 - One pound of **DURAFLAKES™** will cover 32 square feet, one-half ounce will cover one square foot.
4. Allow the **DURABAK™**-plus-**DURAFLAKES™**-coated surface to dry thoroughly.
 5. If desired, scrape off tips of protruding **DURAFLAKES™** with a paint scraper.
 6. Apply a liberal coat of Clear **DURABAK™** [or **DURABAK 18™**] to the surface using a 3/16" nap mohair varnish roller. Accelerator could be added to the **DURABAK™** or **DURABAK 18™** [see coverage section page 8 for more information].
 7. Let the application dry thoroughly, as per **DURABAK™** standard application instructions.

SAFTI-TRAX™

DETECTABLE WARNING SYSTEM

Detectable warnings, a distinctive surface pattern of domes detectable by cane or underfoot, are used to alert people with vision impairments of their approach to streets and hazardous drop-offs. The ADA Accessibility Guidelines (ADAAG) require these warnings on the surface of curb ramps, which remove a tactile cue otherwise provided by curb faces, and at other areas where pedestrian ways blend with vehicular ways. They are also required along the edges of boarding platforms in transit facilities and the perimeter of reflecting pools.

PRODUCT DESCRIPTION

SAFTI-TRAX™ is available in two different retrofit systems: **SAFTI-TRAX™ PLASTIC SHEET System** and **SAFTI-TRAX™ MAT System**.

Both **SAFTI-TRAX™ PLASTIC SHEET System** and **SAFTI-TRAX™ MAT System** enjoy all the unique characteristics of their major component, **DURABAK™**. It is extremely durable, waterproof, repairable, and anticorrosive. It bonds to concrete, wood, primed or sound-painted metal surfaces, fiber glass, and most other surfaces. And **DURABAK™** comes in a wide range of colors.

PRODUCT FEATURES

SYSTEM ONE: SAFTI-TRAX™ PLASTIC SHEET System

- **SAFTI-TRAX™ PLASTIC SHEET System** incorporates resilient rubber domes, made exclusively for COTE-L Industries, with an overcoating of our new and unique **DURABAK™** one-part, slip-resistant, totally flexible polyurethane safety coating.
- **SAFTI-TRAX™ PLASTIC SHEET System** will conform to any surface irregularity, facilitating a virtually faultless application.
- **SAFTI-TRAX™ PLASTIC SHEET System** is assembled by individuals with disabilities in Easter Seals Workshops.

System Two: SAFTI-TRAX™ MAT System

- **SAFTI-TRAX™ MAT System** is a single piece, 2 by 2 domed mat, molded in resilient rubber. The mats come pre-coated with three coats of **DURABAK™** one-part, slip-resistant, totally flexible polyurethane safety coating.
- **SAFTI-TRAX™ MAT System** works best on flat surfaces, but will also work on slight surface irregularities, and can easily conform to any shape, simply by cutting it with a scissors.

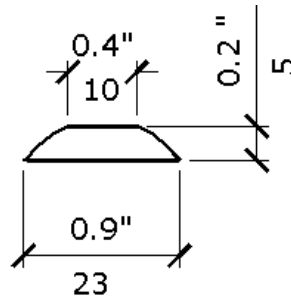
SAFTI-TRAX™ PLASTIC SHEET and **SAFTI-TRAX™ MAT** systems are not only flexible, but also resilient, as specifically required by the ADA.

SAFTI-TRAX™ PLASTIC SHEET and **SAFTI-TRAX™ MAT** systems are easy to clean and the **SAFTI-TRAX™ PLASTIC SHEET** system is easy to repair.

The total cost per square foot of **SAFTI-TRAX™ PLASTIC SHEET** and **SAFTI-TRAX™ MATS**, for materials and labor, is significantly less than other products because of its ease of application. No significant preparation of the surface area is necessary other than proper cleaning. (In cases of retrofit to old concrete, a muriatic acid wash or scarifying may be needed.)

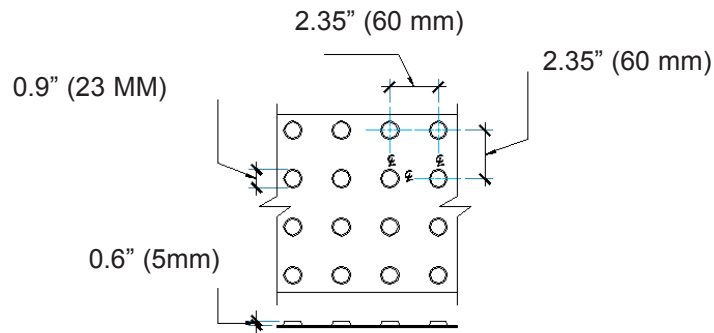
Dome size and spacing. In accordance with the U.S. Architectural Access Board, truncated domes shall have a diameter of 0.9 inch (23 mm) at the bottom, a diameter of 0.4 inch (10 mm) at the top, a height of 0.2 inch (5 mm) and a center-to-center spacing of 2.35 inches (60 mm) measured along one side of a square arrangement.

Figure X02.5 N Dome Section



Section of dome from a detectable warning. Drawing shows height, top and bottom dimensions.

Figure X02.5 N Dome Section



Plan and section views of detectable warning domes and their relative spacing on the x and y axis.

SAFTI-TRAX™ PLASTIC SHEET

DETECTABLE WARNING SYSTEM

APPLICATION INSTRUCTIONS

The **SAFTI-TRAX™** Plastic Sheet Detectable Warning System contains the following:

1. **DURABAK 18™** totally flexible one-step slip-resistant coating
2. Accelerator packets (if required)
3. **COTE-L's** special stipple rollers
4. Truncated rubber domes attached to 2'x2' plastic sheets in A.D.A. specified matrix.

In addition, you will need:

1. Xylene, for cleaning surface and for thinning of **DURABAK™**, if necessary
2. Heavy duty rubber gloves
3. Masking tape -- preferably duct tape
4. Paint roller pan
5. Recommended electric drill with paint mixer attachment

Procedure

Please read all instructions carefully before proceeding.

1. Clean surface as specified in **DURABAK™** instructions. New concrete should be fully cured and cleaned with a concrete cleaner. (See new concrete instructions.) Remove all residue. Old concrete should be cleaned with Muriatic Acid or a citric cleaner or scarifying machine. Again, remove all residue. Surface should then be thoroughly dried. Old or new concrete should be wiped finally with Xylene immediately before the first coat of **DURABAK™** is applied. The Xylene should be allowed to evaporate.
2. Lay out **SAFTI-TRAX™** plastic sheets with truncated domes for sizing. Be sure to leave white paper release sheet in place underneath domes. If required, cut sheets to size with scissors. When more than one sheet is to be installed in a single area, be sure to line up the alternating rows of domes correctly.
3. Mask off area to be covered by **SAFTI-TRAX™**
4. Place plastic sheet with domes still attached outside work area.
5. If supplied with kit, add packet or can of accelerator to quart or gallon of **DURABAK™** and mix can thoroughly and frequently, preferably with an electric mixer. Apply one coat of **DURABAK™** onto masked-off area. Check packing slip and accelerator container to make sure proper amount goes into quart or gallon. Do not coat an area larger than one sheet at a time as the domes will need to be placed on wet **DURABAK™** within 10 minutes (see #7).

NOTE: After each coat, close can tightly. Lightly wet stipple roller with Xylene and cover with plastic bag so roller will not dry out. If application is by spray gun, clean spray gun between coats with Xylene.

6. Lift plastic sheets (with domes attached) and remove the white, bottom release sheet from **SAFTI-TRAX™ PLASTIC SHEET**.
7. While the **DURABAK™** is still wet (within 10 minutes of application), lay domes (with top plastic sheet still attached) in place on wet surface. Without removing plas-

- tic sheet, lightly press domes down with a small flat board to ensure that the bottom of all the domes are making contact with the wet **DURABAK™**. If surface is uneven, you may need to remove and press some individual domes down by hand.
8. After the plastic sheets are in place, slice the sheets in straight lines with a razor cutter between every two rows to allow the air to circulate between the domes and to enable the **DURABAK™** to dry faster.
 9. Do not remove plastic sheets from the domes for two to three hours or more, until the domes are solidly attached to the **DURABAK™** and the **DURABAK™** is dry. Lighter colors, such as SafetyYellow, may require more time to dry, depending on climactic conditions.
 10. Gently and slowly peel off top plastic sheet parallel to surface, holding the individual domes down with one hand while peeling the sheet back with the other, being careful not to dislodge domes. If a dome should become dislodged, apply some **DURABAK™** to the bottom of the dome and press firmly back into place. Let dry.
 11. Apply 2nd coat of **DURABAK™** over truncated domes and entire masked-off surface, making sure **DURABAK™** covers the outside base of the domes. Roll in several different directions to ensure complete coverage.
 12. When the 2nd coat of **DURABAK™** has become touch dry, repeat step 11 with two more coats, allowing each coat to dry to the touch before applying the next one. NOTE: The completed system will have one base coat and three top coats.
 13. Slowly remove masking tape and let **SAFTI-TRAX™** dry. If tape is not removed promptly and is sticking to the **DURABAK™**, cut along edge with a razor knife and then remove tape.
 14. **SAFTI-TRAX™** surface can be walked on in 6 to 12 hours in conditions of average humidity. For special circumstances, average walking time may be able to be reduced. For information, contact authorized **SAFTI-TRAX™** representative.

Your **SAFTI-TRAX™** Detectable Warning System is now complete!

SAFTI-TRAX MAT™

DETECTABLE WARNING SYSTEM

PRODUCT DESCRIPTION

SAFTI-TRAX MAT™ SYSTEM is a unique new system designed specifically for compliance with the Americans with Disabilities Act (ADA) requirement for a tactile warning system for the blind and visually impaired.

SAFTI-TRAX MAT™ SYSTEM is a permanent mat system that is applied directly to clean dry surfaces with a special long-lasting totally-flexible-when-dry adhesive. The application is achieved without the need for specialized labor or machinery. It is therefore *not* labor intensive and *not* costly to apply.

SAFTI-TRAX MAT™ SYSTEM, made exclusively by **COTE-L** Industries, is a single piece, 2'x2' domed mat, molded in resilient rubber. The flat part of the mats are approximately 1/16" thick. With 3 coats of **DURABAK™**, our unique one-part, slip-resistant, totally flexible polyurethane safety coating. The **SAFTI-TRAX MAT™ SYSTEM** easily conforms to any shape, simply by cutting it with a scissors or mat knife.

SAFTI-TRAX MAT™ SYSTEM enjoys all the unique characteristics of its major component, **DURABAK™**: It is extremely durable, totally flexible, waterproof, and anticorrosive. **SAFTI-TRAX MAT™** is available in most of **DURABAK™**'s 16 standard colors.

SAFTI-TRAX MAT™ SYSTEM will work best on flat surfaces, but will also work on slight surface irregularities, facilitating a virtually faultless application.

SAFTI-TRAX MAT™ SYSTEM is not only totally flexible, but it is resilient, as specifically required by the ADA.

SAFTI-TRAX MAT™ SYSTEM is easy to clean with household detergents to degreasers.

The total square foot cost of materials and labor for the **SAFTI-TRAX MAT™ SYSTEM** with **DURABAK™** is significantly less than other products because of its ease of application. No significant preparation of the surface area is necessary other than proper cleaning. (In cases of retrofit to old, dirty concrete, washing with muriatic acid or scarifying may be required.)

APPLICATION INSTRUCTIONS

1. Clean back side of mat(s) with rubbing alcohol and let dry. Lay mat(s) flat, away from the actual final placement. (If necessary, bend them slightly to make them lie flat.)
2. Clean the surface using a pressure wash of at least 2,500 psi. If there is gum or other contaminants on the surface, clean with a clean wire brush. Alternatively, new concrete will require only a citric cleaner application. Agitate with a deck brush, rinse off thoroughly and dry thoroughly.

CAUTION: Oily asphalt requires a special crosslink. Contact **COTE-L** for specific primer.

3. Place mat(s) onto the application surface. Slice with a mat knife to piece if necessary.
4. Mask off the area around the mat(s) with a good-quality duct tape (the duct tape bonds better to the concrete than regular masking tape).
5. Remove the mat(s) from the working area, remembering the exact position they were in..

6. Place the adhesive in the caulk gun, cut off ¼" to ½" of the plastic tip, and pierce the inner seal of the caulk tube. NOTE: For easier application of adhesive, store at room temperature just before use.
7. Squeeze out a large bead of adhesive on one half of the surface (usually in an "s" shaped pattern).
8. Using a serrated trowel, spread the adhesive to cover the entire masked-off surface (paying particular attention to making sure that the perimeter of the area is covered right up to the duct-taped edges). 1¼ tubes cover 4 square feet. To avoid adhesive oozing up through seams, do not apply excessive adhesive on those areas.
9. Carefully place the mats back in their original position on the surface, making sure that they are not overlapping the duct tape.
10. With hands, press out air pockets from the center of the mat outwards to the edges.
11. Lay a small, flat board (1 square foot or smaller) on the top of the domes and press down firmly. Move the board around, making sure that all areas of each mat have been pressed down. Use the end of the board or another board to press down all areas in between the domes. Work from the center out and pay particular attention to pressing down all areas around the outside perimeter.
11. Remove any excess adhesive with a rag wet with xylene. If need be, **DURABAK™** can later be used for touch-up with a small brush.
12. Let adhesive dry for at least 6 to 12 hours before allowing foot traffic.

CAUTION: Do not apply when moisture-vapor transmission condition exists from the substrate as this can cause bubbling within the sealant. Generally, in high temperature and humidity, apply in the cooler (latter) part of the day when moisture travels away from the concrete surface. For more information, contact **COTE-L**.

Technical Data

DURABAK™ Specifications

DESCRIPTION

DURABAK is a tough, one-part polyurethane with self-contained recycled rubber granules, which give it an attractive tough-textured appearance. When exposed to atmospheric moisture, DURABAK undergoes a chemical curing process which changes it from a liquid to a tough polyurethane membrane. DURABAK will chemically bond to most clean and dry surfaces. These include, but are not limited to, concrete, wood, fiberglass, metal, rubber and sound-painted materials. It can be applied by roller, brush or spray. DURABAK can give a relatively smooth or rough surface, depending on application technique.

USES

DURABAK has many applications for commercial, military and civilian use. DURABAK protects surfaces from foul weather elements and harsh chemicals, while creating a slip-resistant surface on: pedestrian walkways truck beds ramps and loading docks bridges metal and wooden steps catwalks ship decks marine applications pleasure boats storage tanks floors handicap ramps pools and spas sealing rusty pipes playgrounds freight elevators tool handles roofing vehicle undercoating curb ramps parking lots

ADVANTAGES

One-Part No mixing of components
Totally Flexible Never chips, flakes or peels
Repairable Bonds to itself
Protection Water proof. Resistant to acid, chemicals, UV exposure, salt water
Fast Drying Very short intercoat time; Foot traffic in 6 to 12 hours
Economical Lasts for years; no need to remove old DURABAK when recoating

To tint DURABAK, use a non-water-based paste pigment. The pigment should be compatible with a moisture-cured polyurethane. DO NOT USE POWDER PIGMENTS. It should not be a universal automatic tint and it should not be one suitable for acrylic paints. The tints used need to be dispersed in a plasticizer (such as Reofos) and preferably dried to a moisture content of <0.2%. Tinting must be done immediately before application to avoid premature curing.

PHYSICAL PROPERTIES

Weight per gallon, pounds 10
Viscosity, Kreb units 67-72
Percent solids by weight 66 %
Application temperature range 32 F to 95 F
(NOTE: On nonporous surfaces, below 32 F)
Application thickness, 2 coats dry 29-39mils
Flexibility total flexibility
Resilience resilient in dry state
Abrasion resistance
Tabor wheel, 1000 gr load, 1000 cycles 30.5
Fire resistance
Flame spread ASTM E-162: 01
Smoke generation ASTM E662: 06
Salt water resistance 100 %
Freeze-thaw resistance 60 F to +254 F
Pot life 3 hours
Shelf life min. 1 year
Flash time 1-1/2 to 3 hours
Walk time 6 to 12 hours
Time between coats - 1 hour
Full cure - 4 days
VOC 2.9 lbs/gal
DOT Hazmat Info. Paint, 3, UN1263, PG III
Coverage 60 s/f per gal w/2 coats
Ideal Storage 32 F < 104 F

COLORS

DURABAK comes in standard and custom colors, including Black, Dark Grey, Light Grey, Brick Red, Safety Red, Dark Blue, Medium Blue, Forest Green, Avocado Green, Safety Yellow, Safety Orange, White, Tan, Cream, Beige and Clear (without pigment or rubber granules). All colors also available in smooth version (without granules). Color matching on volume orders. <0.2%. Tinting must be done immediately before application.

Technical Data

DURABAK Physical and Performance Data

1. Chemical Resistance

The following table gives the results of full immersion of DURABAK for 7 days in some common chemicals.

CHEMICAL	SOLUTION %	RATING
Sulfuric Acid	2	Excellent
	10	Good
	20	Good
Acetic Acid	2	Excellent
	10	Excellent
	20	Good
Hydrochloric Acid	2	Excellent
	10	Excellent
	20	Good
Phosphoric Acid	2	Excellent
	10	Excellent
	20	Excellent
Sodium Hydroxide	2	Excellent
	10	Good
	20	Good
Ammonia	2	Excellent
	10	Good
	20	Good
SOLVENTS		
Gasoline	neat	Fair
Acetone	neat	Poor
Diesel	neat	Good
Potable Water	neat	Excellent
Salt Water	neat	Excellent

NOTE: Solution percent represents percent of commercially supplied concentrate. Sulfuric 98%, Phosphoric 85%, Hydrochloric 32%, Ammonia 29%.

6. Place the adhesive in the caulk gun, cut off ¼" to ½" of the plastic tip, and pierce the inner seal of the caulk tube. NOTE: For easier application of adhesive, store at room temperature just before use.
7. Squeeze out a large bead of adhesive on one half of the surface (usually in an "s" shaped pattern).
8. Using a serrated trowel, spread the adhesive to cover the entire masked-off surface (paying particular attention to making sure that the perimeter of the area is covered right up to the duct-taped edges). 1¼ tubes cover 4 square feet. To avoid adhesive oozing up through seams, do not apply excessive adhesive on those areas.
9. Carefully place the mats back in their original position on the surface, making sure that they are not overlapping the duct tape.
10. With hands, press out air pockets from the center of the mat outwards to the edges.
11. Lay a small, flat board (1 square foot or smaller) on the top of the domes and press down firmly. Move the board around, making sure that all areas of each mat have been pressed down. Use the end of the board or another board to press down all areas in between the domes. Work from the center out and pay particular attention to pressing down all areas around the outside perimeter.
11. Remove any excess adhesive with a rag wet with xylene. If need be, **DURABAK™** can later be used for touch-up with a small brush.
12. Let adhesive dry for at least 6 to 12 hours before allowing foot traffic.

CAUTION: Do not apply when moisture-vapor transmission condition exists from the substrate as this can cause bubbling within the sealant. Generally, in high temperature and humidity, apply in the cooler (latter) part of the day when moisture travels away from the concrete surface. For more information, contact **COTE-L**.

Technical Data

2. UV Resistance

The following conclusions were reached after QUV accelerated weathering tests by an independent tester.

500 hours of exposure resulted in a loss of gloss finish; however, there was no indication of surface cracking or any other surface deterioration.

Physical testing of the DURABAK samples, tensiles at break and elongation at break indicate that the 500-hour exposure has not affected the properties of the material.

3. Fire Resistance

The following burn test was independently carried out:

A 500 micron film of DURABAK was exposed to a Bunsen flame for:

- a) Two exposures of 5 seconds with removal for 5 seconds
- b) Continued exposure for 30 seconds

The short (a) exposure gave a general scorching of the film with some evolution of smoke and liquid. The extended (b) exposure led to the combustion of the film. The film remained alight for a period of 15 seconds after removal from the flame. The flame did not spread beyond the region subjected to the flame. The region which had combusted was left charred but intact. Smoke generated was non-toxic.

4. Impact Resistance

The following independent test was conducted:

An aluminum panel was coated with DURABAK. It was subject to front and reverse side impact by a blunt 0.5 cm², 1 kg load over 1 meter fall. The film remained intact.

The product could be considered to have good adhesion impact resistance.

5. Co-Efficient of Friction

The following results were obtained when tested under conditions outlined in ASTM D1894-93.

Sample	Static Co-Efficient of Friction		Dynamic Co-Efficient of Friction	
	Dry	Wet	Dry	Wet
1	0.95	1.41	0.91	1.36
2	0.95	1.41	0.95	1.27
3	0.98	1.41	0.91	1.32

6. Tensile Strength/Elongation at Break

	Tensile Strength KGFCM-2	Elongation at Break KGFCM-2
Standard DURABAK - 7 day cure	42.3 - 50.7	4 - 7
After 500 hours QUV accelerated aging (n=4)	45.6 - 55.4	5 - 6

Technical Data

METCOTE Technical Data

Can size:	Pints and Quarts
No. of components	One
Color:	Black
Viscosity:	40-45 secs FC4 at 77 F
Touch dry time:	30 mins at 77 F
Recoating time:	1 hour at 77 F
Hard dry:	2 hours at 77 F
Volume solids:	15%
Recommended WFT:	4 mils
Recommended DFT:	1.25 mils
Self life:	2+ years
Service temp:	5 F to 428 F
Application temp:	23 F to 122 F
Density:	0.89 g/cm ³
Flash Point:	77 F
Flammability:	In wet form
Coverage	145 sq. ft./qt.

PRIMECOTE Technical Data

Pack size:	Pints and Quarts
No. components	Two
Mixing ratio:	Part A and Part B as per can contents
Touch drying time:	30 minutes to 2 hours
Overcoating time:	2 - 4 hours
Curing time:	2 - 4 hours
Rt life:	3 - 4 hours at 77 F
Self life:	2 years
Volume solids:	85%
Wet film thickness:	2.4 mils
Dry film thickness:	2 mils
Service Temperature:	23 F to 122 F
Application Temp:	41 F to 95 F
Flash Point:	Below 73 F
Density:	.04 oz/cm ³
Mass per litre:	2.6 lbs.
Toxicity:	Toxic when wet
Flammability:	In wet form
Cleaner:	xylene
Storage:	Cool dry conditions
Coverage	80 sq. ft./qt.

DURABAK™ /DURABAK18™ COLOR CHART



DURABAK™/SAFTI-TRAX™ APPLICATION PICTURES



Oceanliners
World Class Yachts



Truck Bedliners



SAFTI-TRAX on Train Platforms
Metro North, Manhattan



Bus Floors and Steps
City Transit Bus Lines



Ship Decks
The Gazela, Philadelphia



Curb Ramp Delineation by NJ DOT



Ramps



Port Authority of NY and NJ
Newark Airport

COTEEL

DURABAK™ / SAFTI-TRAX™ PICTURES

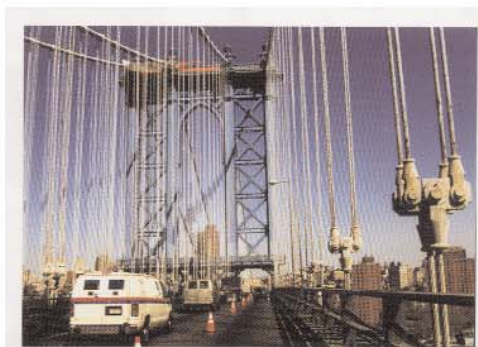
TM



SAFTI-TRAX and DURABAK
Mass Bay Transit Authority



Swimming Pool Decks



Bridges



Spray Application



U.S. Navy and Coastguard



SAFTI-TRAX Application



Industrial Kitchen Floors



SAFTI-TRAX Application on Ramp

COTEEL



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