



Durabak

Polyurethane Bakkie Liner

Duram Durabak is a versatile, non-slip polyurethane bakkie liner for the load beds and tail lifts of bakkies, 4x4's, trucks and trailers. It can also be used to create non-slip walkways, stairs and ramps. The polyurethane formula provides ultimate toughness, offering protection from abrasion, corrosion, weather, chemicals and solvents. It has an attractive, textured finish that will not chip, flake or peel, even with impact. Available in a convenient spray- or brush-on format, this single pack polyurethane coating is ready to use, easy to apply and fast drying.



PRODUCT USES

- Ideal to coat load beds and tail lifts of bakkies, trucks and trailers.
- Offers protection on 4x4's.
- Creates non-slip walkways, stair edges and ramps.
- Creates non-slip areas for wheelchair access, emergency exits, fire escapes and around machinery.
- Provide non-slip areas for boats, showers and change room floors.



COVERAGE

- 4m² per litre per coat. Applied in a 2 coat application. Giving an overall coverage of 2m² per litre.
- 4L covers approximately 1 short wheel base bakkie.



COLOURS

- Black, Grey



SURFACE PREPARATION

- Substrates differ significantly, and so all new applications should be tested first. Ensure all substrates are thoroughly clean, sound, dry and free from any contaminants such as dirt, rust, salt, algae and grease
- **Steel:** Abrade surface lightly and remove any surface rust or mill scale by sanding, wire brushing, with a chipping hammer or sandblasting. Prime with Duram NS5 Metcote Etch Primer as per instructions.
- **Galvanized Iron:** Clean away grease and dirt with Duram NS2 Galvanized Iron Cleaner until a water break-free surface is attained. Rinse well with water and allow to dry. Apply Duram NS6 Galvanized Iron Primer the same day as the surface was prepared to avoid re-contamination and flash rust.
- **Aluminium:** Abrade to fresh metal, clean well using detergent or cleaning solvent such as Duram Xylene. Prime with Duram NS5 Metcote as per instructions within 30 minutes. For applications where pooling of water is expected, a specific waterproof primer for aluminium is required.



FINISH

- Textured



ADVANTAGES

- Attractive non-slip finish.
- Polyurethane performance – ultimate toughness.
- Ready to use and easy to apply – no skilled labour required.
- Save money compared to dealer-installed bed liners.
- Fast drying.
- Excellent resistance to abrasion, chemicals and solvents.
- Weather resistant.
- Prevents rust.
- Flexible – won't chip, flake or peel.
- Will not taint water or food once cured.
- Can be overcoated.
- Repairable – bonds to itself.



- **Fibre-glass:** Lightly abrade and clean surface with a solvent such as Duram Xylene, then apply Duram Durabak direct.
- **Wood:** Abrade, clean and allow to dry before applying Duram Durabak direct.
- **Gloss Paints and Varnish:** Abrade with a scouring pad or medium grit sandpaper to remove all gloss. Clean and apply Durabak direct.
- **Rubber (nitrile or chloropene):** Clean well using detergent or cleaning solvent such as Duram Xylene. Allow to dry. Test adhesion of Duram Durabak first.
- **Cement:** Allow new cement at least 28 days to cure. Old and new cement or concrete surfaces must be acid-etched, rinsed well and dried. Prime with Duram Duraprime epoxy primer as per instructions if damp or oil contaminated.



APPLICATION



- Ensure substrates have been prepared.
- Wear safety goggles and protective gloves.



- Ensure areas not to be coated have been masked off such as tail lights, drainage holes or removable nuts and bolts.



- Stir well before use using a flat paddle.
- Always apply a test patch of Duram Durabak to ensure the substrate has been properly prepared and primed. Check adhesion of the coating by cutting a small X in the coating using a utility knife. Firmly apply a piece of packaging tape over the centre of the X cut, then pull off with a fast snap. The adhesion is suitable if no significant coating is removed beyond the X cut. If the coating fails this test, then additional surface preparation is required – repeat the above steps.

Spray-on: Screw spray gun onto can, and attach airline providing a minimum pressure of 5 bar. Duram Durabak should be applied in thin coats to prevent “mudcracking” during drying. Depending on the application, two or more coats can be applied. Ensure each coat is dry before applying the next coat. Intercoat time is approximately 2 hours, when touch dry, depending on ambient conditions.



- **Brush-on:** Duram Durabak should be “laid” onto the surface with a brush (do not brush backwards and forwards as with an enamel paint). Two coats will result in a final dry film thickness of 0,75mm to 1mm. Second or subsequent coats should be applied at right angles to the previous coat. Intercoat time is approximately 2 hours, when touch dry, depending on ambient conditions.



- **Roller:** If applied with a stipple roller, application is quicker and the final texture rougher with greater non-slip characteristics. Follow same instructions as per Brush-on. Intercoat time is approximately 2 hours, when touch dry, depending on ambient conditions.





- **Curing time:** Duram Durabak cures with atmospheric moisture. The coating will be touch dry in about 2 to 4 hours and allowing light traffic after 9 hours. Full strength and chemical resistance is achieved in 4 to 7 days, but normally the coating can be put to use after 24 hours.
- **Accelerated cure:** In areas of low atmospheric moisture or when shorter curing times are required, an accelerator can be added. This is available from Duram (Pty) Ltd.
- **Overcoating and repair:** Duram Durabak can easily be repaired or overcoated. The old surface should be well cleaned and then abraded by wire brush or sandpaper, and damaged surfaces must be cut out to provide an area without loose edges. Follow application instructions. If Durabak is left for more than 24 hours after coating, it should be abraded before recoating to aid intercoat adhesion. If correctly done, Durabak provides a seamless repair.



CLEANING

Uncured Duram Durabak: Can be cleaned in its uncured state using Duram Xylene.

Cured Duram Durabak: Can be removed with Duram Durastripp paint stripper or by mechanical means.

Remove any spills or overspray immediately. Durabak is very difficult to remove once cured.

SUPPORTING PRODUCTS



NS2 Galvanized
Iron Cleaner

NS5 Metcote
Etch Primer

NS6 Galvanized
Iron Primer

Duraprime

Xylene

Durastripp

Durabak

YOU MAY ALSO NEED:

- Wire brush or sandpaper
- Masking tape
- Safety goggles and protective gloves
- Paint stirrer
- Paint tray
- One litre of Duram Xylene or solvent for cleaning and dilution if necessary
- Spray gun
- Brush
- Stipple roller



IMPORTANT

- Please read all instructions carefully before starting the project.
- Proper surface preparation is critical for the successful application of Duram Durabak.
- Do not clean surfaces with lacquer thinners.
- Do not mix with water, turpentine, thinners or any solvent containing water or alcohol. Alcohol will prevent Duram Durabak from curing, while water will cause it to foam and cure in the can.
- Once opened use Durabak within 2 hours or 1 hour if accelerator is used.
- Protect from moisture and do not expose to temperatures above 50 °C.



SAFETY PRECAUTIONS

- Duram Durabak is highly flammable in its wet state, solvents released during spraying, observe all fire precautions.
- Ensure good ventilation to prevent build up of flammable solvents.
- Extinguishing media: Extinguishing powder, CO₂ or halones.
- Spillage/leakage: Do not empty into drains; keep away from sources of ignition. Ensure ventilation in working area. Take up with absorbent material. Fill into sealable containers.



- Wear safety goggles and protective gloves.
- Skin contact: Wash with soap and water.
- Eye contact: Rinse with water.
- Should Durabak be swallowed seek medical advice.



TECHNICAL DATA

Pack size	1L Brush-on, 1L Spray-on & 4L DIY Kit
No of components	Single pack
Touch drying time	2 hours at 25°C, 50% relative humidity
Full cure	4-7 days full cure
Overcoating Time	Ideal: 2-4 hours at 25°C at 50% relative humidity Max: 24 hours at 25°C at 50% relative humidity
Volume solids	65%
Service temperature	-30°C to 50°C
Application temperature	10°C to 30°C (optional - an accelerator is available for lower temperatures)
Flexibility	Excellent
Weathering	Excellent, not colour fast, may fade
Density	1,03g/cm ³ (brush version)
Viscosity	80 to 110ku (brush version)
Soluble in	Xylene
Flash point	>23°C

Explosive limits	Lower: 2,1 % by vol Upper: 11, 5% by vol
Thermal decomposition	No decomposition below initial boiling point
Hazardous reactions	- Exothermic reaction with amines, alcohols, acids and alkalis in uncured state. - Reacts with water forming CO ₂ . - Closed containers may rupture owing to increase of pressure. - Open pressurized containers carefully, to release pressure.
Toxicity	Toxic in uncured state
Cleaner	Duram Xylene, Toluene, Xylene
Shelf life	12 months
Storage	Cool, dry area below 25°C
SA Patent No.	88/8056



UN No. 1263
HAZCHEM CLASS 3



BEFORE



AFTER

Technical details above are provided in good faith. We are an ISO 9001: 2008 registered company and our products are manufactured to the highest standards using raw materials of superior quality. Consequently we believe in the quality of our products and will willingly replace any product in the unlikely event of a quality related performance failure. Whilst we are confident in guaranteeing the quality of our products, we cannot however accept any liability for performance failure due to the incorrect application of our products. Correct application is critical to the successful performance of our products and as this process falls outside of our control we are unable to cover the application under our product performance warranty. Where there are doubts, it is recommended that the user conduct their own suitability tests before use. To retain sheen and colour consistency of your paint, always make sure that the batch numbers are the same on all paint containers that you purchase.

Updated: September 2014 (this supercedes all previous publications)

