



DIVERSE URETHANES

PRODUCT DATA SHEET

Div BE60 All-purpose bituminous waterproofing emulsion

1. INTRODUCTION

Div BE60 is a versatile single pack bituminous polymer coating for waterproofing applications. Div BE60 can be used as a waterproofing liner, or to reconstitute old and cracked torch-on, in ponds, and on flat roofs. It can also be applied on inverted surfaces such as underpasses and is easily applied to vertical and sloping surfaces.

The product is available in a brush-on format (paint brush or roller) It is easy to apply and dries quickly. Colours available are black, or slate-grey.

2. ADVANTAGES

- Tough and weather resistant;
- Solvent free.
- Easy to apply;
- Bonds to most surfaces (tests on various surfaces undergoing at the time of this TDS)
- Can be over coated;
- Resists many solvents and has good chemical resistance
- Exceptional elongation
- Non-slip
- Flexible and non-toxic.

3. COVERAGE

Total coverage: About 1m² / litre applied in two coats i.e. 2m² / litre per coat.

4. 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.

- Cement: Old and new cement or concrete surfaces must dried.
- Fibre-glass: Abrade well. Underwater applications require a waterproof primer.
- Timber: Abrade before applying Div BE60.
- Gloss Paints and Varnish: Abrade to remove all gloss.

- Rubber (nitrile or chloroprene): Clean well using detergent or cleaning solvent. Allow to dry.

5. **APPLICATION**

- Ensure substrates have been prepared.
- Ensure tests for adhesion have been completed.
- Ensure areas not to be coated have been masked off.
- Stir well before use.

Div. BE60 should be applied in thin coats to prevent “mud cracking” during drying. Depending on the application, two or more coats can be applied, allowing time for all coats to dry. Intercoat time is approximately 2 hours (when touch dry) depending on ambient conditions.

- Brush On: Div BE60 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 1.0mm. Second or subsequent coats should be applied at right angles to the previous coat. Intercoat times approximately 2 hrs depending on ambient conditions.
- Roller: If applied with a roller, application is quicker and the final texture rougher with greater non-slip characteristics. Follow same instructions as per Brush On. Intercoat times approximately 2 hrs depending on ambient conditions.
- Curing time: Div BE60 cures with atmospheric moisture. Without accelerator the coating will be touch dry in about 2 to 4 hrs, allowing light traffic after 12 hrs, and achieves full strength and chemical resistance in 4 to 7 days, but normally 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 manufacturer or supplier.
- Over coating and repair: Div. BE60 can easily be repaired or over coated. The old surface should be well cleaned. Damaged surfaces must be cut out to provide an area without loose edges. Follow application instructions.

6. **CLEANING**

Uncured Div BE60: can be cleaned initially using water. Secondary cleaning immediately afterwards using paraffin to get rid of any sticky residue.

Cured Div BE60: can be removed by mechanical means.

7. **PRECAUTIONS**

Use protective clothing

8. **ACCIDENT MEASURES**

- **Spillage/leakage: Do not empty into drains;**
- **Ensure ventilation in working area. Take up with absorbent material. Fill into sealable containers.**
- **Eye contact: rinse with water.**
- **Skin contact: wash with soap and water.**
- **Should Div BE60 be swallowed seek medical advice.**

9. TECHNICAL DATA

Pack size:	20 kg buckets. Bigger pack sizes can be made available.
No of components	Single pack
Touch drying time	2 hours at 25°C, 50% relative humidity
Light foot traffic	12 hours
Full cure	4-7 days full cure
Over coating time Ideal:	2-4 hrs at 25°C at 50% relative humidity
Max:	24 hrs at 25°C at 50% relative humidity
Volume solids	70%
Service temperature	5°C to 40°C
Application temperature	10°C to 30°C
Flexibility	Excellent
Weathering	Excellent, not colour fast, may fade
Density	1,03g/cm³ (brush version)
Soluble in	Paraffin
Flash point	>23°C
Explosive limits lower:	
Upper:	
Thermal decomposition	No decomposition below initial boiling point
Toxicity	Toxic in uncured state
Shelf life	12 months
Storage conditions	Cool dry place below 25°C

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