

Multiseal

Liquid Polyurethane Primer for Multithane and Duram 195

Description

Duram Multiseal is a moisture curing, single pack, liquid polyurethane penetrating waterproofing primer. It is formulated to compliment Duram Multithane and Duram 195 membranes as it is manufactured from identical resins contained in Multithane or Duram 195. As the resins employ cross - link technology the chemical bond between the Multiseal, Multithane or Duram 195 is exceptionally strong. Multiseal as a primer: Improves the adhesion and performance of the membrane, 'locks - down' dust and loose materials, improves the spreading and application of the subsequent membranes, provides a penetrative secondary waterproof barrier and improves the coverage of the Multithane and Duram 195 membranes.

Multiseal is a penetrative sealer and provides a penetrative waterproof barrier when applied in 2 coats or more. DO NOT use as a primary waterproofing membrane . Use only in conjunction with Duram MULTITHANE or Duram 195 waterproofing membranes . For details refer Duram MULTITHANE or Duram 195 product data sheets. The MULTISEAL dries by evaporation of the solvent and then cures upon contact with water vapour in the air.

Uses

Duram MULTISEAL is formulated to prime most surfaces to be waterproofed using Duram MULTITHANE or Duram 195, included are the following: Concrete, cement and cement render. Timber. Plaster Board and Fibre - Cement sheeting. Brick and Block work. Given its inherent properties, it can also be used as a penetrative sealer. Ensure that the MULTISEAL is dry prior to the application of either MULTITHANE or DURAM 195. Refer fore mentioned note.

Suitable Surfaces

MULTISEAL may be applied to the following surfaces: Concrete, cement and cement render. Timber. Plaster Board and Fibre - Cement sheeting. Brick and Block work. Ensure surface is dry prior to application.

Specification

The information contained in this product data sheet is typical but does not constitute a full specification as conditions and specific requirements may vary from project to project. The instructions should be considered as a minimum requirement but the applicator or contractor must use their skill, knowledge and experience to carry out additional works as may be necessary to meet the requirements of the project. Specification for specific projects should be sought from the Company in writing.

Limitations

- Multiseal should not be used as a primary waterproofing membrane.
- Use only in conjunction with Duram MULTITHANE or Duram 195 waterproofing membranes . For details refer Duram MULTITHANE or Duram 195 product data sheets.
- Multiseal should not be used to dilute Duram 195 or Multithane UV as Multiseal is not uv stabilised and any dilution will diminish or negate the properties of these products.
- Multiseal is not a vapour barrier and should only be used when there is a very low risk of entrapped moisture in the slab.
- Multiseal should not be used as a primer Duram 195 and Multithane on roofs or exposed areas. The preferred primer for these areas is Duram Primeseal.

Benefits and Advantages

It incorporates cross- linking technology to enhance adhesion and provides a strong bond to the substrate.

Enhances the overall performance and functionality of the waterproofing membrane.

Easy to apply - single pack.

Dries quickly, with large top coating window.

Has good strength, elasticity and penetrative qualities.

100% compatible with Duram Multithane and Duram 195.

Moisture curing polyurethane.
Suitable for above ground and below ground applications.
Improves the coverage of the Multithane and Duram 195 membranes.
Improves ease of membrane application.
Suitable for permanent immersion in water.
Suitable for use on most porous substrates.

Precautions in Use

Multiseal contains solvent. Product is flammable. Therefore observe all the safety precautions in the Material Safety Data sheet. Ensure adequate ventilation is present when applying the product. In confined areas such as tanks ensure fresh air supply is provided and in severe cases self-contained breathing apparatus may be required. The use of gloves, goggles, coveralls and safety footwear is recommended. Keep all sources of ignition away from the product.

Priming and Surface Preparation

Good preparation is essential. Surfaces must be sound, stable, dry, clean and free of dust, loose, flaking, friable material and substances that may diminish adhesion.

Product is the primer.

Application

Apply by brush, roller, squeegee or spray. Allow the product to dry before top coating it with Multithane or Duram 195. For best results the Multithane or Duram 195 should be applied as soon as product has cured but with sufficient time for absorbed solvent to evaporate from the substrate and best within 36 hours of applying the Multiseal. Longer periods will diminish the cross-linking bond between the 2 coats. Clean equipment with Duram SOLVENT immediately after use.

Coverage

The stated average coverage rate may vary depending upon type, condition, porosity, texture of the surface and application technique.

Approximately 4m² per litre per coat.

Colours

Grey. Available in 5 and 15 Lt Pails

Drying and Curing

Drying and curing of the product is affected by type, dryness and porosity of the surface, temperature, humidity, ventilation, climate conditions and application technique and therefore drying and curing can only be given as a guide.

Curing is usually 6 to 24 hours.

Storage

Store in a cool, dry area, away from naked flames or any other ignition sources. Keep out of reach of children.

Clean Up

CAUTION: Spills are difficult to remove. Wet utensils can be cleaned with Duram SOLVENT. Do not allow SOLVENTS to enter the drains.

Safety & Precautions

Refer to the MULTISEAL Material Safety Data sheet. Product is flammable. Keep all flames and ignition source away from the product. The wearing of gloves, goggles, coveralls and safety footwear is highly recommended. Class 3 dangerous goods must be declared prior to transportation.

Conditions of Use and Disclaimer

The information contained in this data sheet is given in good faith based upon our knowledge and current information and does not imply warranty. The information is provided and the product sold on the basis that the product is used for its intended use and applied in a proper workman like manner in accordance with the instruction in this data sheet onto suitable and correctly prepared surfaces

which shall remain sound, stable, free of structural defects, cracking, spalling concrete cancer, negative pressure, movement or other conditions that may effect the performance of the product. Deviations from application instructions may diminish or negate the performance of the product. Under no circumstances will the Company be liable for any loss, consequential or otherwise, arising from the use of the product. Liability is limited to the replacement of proven faulty product.

Uses:

Waterproofing Primer/Sealer.

Health Warning Information

Health Effects

Swallowed: Ingestion could cause irritation and burning sensation.

Eye: Irritation and burning. Long term exposure can cause damage, possibly irreversible damage.

Skin: Irritation and burning sensation. Can cause dermatitis.

Inhaled: Irritation with asthma like symptoms. It is unlikely that the product would be inhaled due to its viscosity. Inhaled matter is likely to be Xylene.

CHRONIC HEALTH EFFECTS

Prolonged contact or continuous long term working in confined and poorly ventilated areas may cause irritation response, sore eyes, nose and possible headaches and dermatitis. Observe good occupational work practices.

First Aid

Swallowed: Do not induce vomiting. Give plenty of milk or water to drink. Seek medical assistance or contact the Poisons information Service (Australia 121126 and New Zealand 03 4747000).

Eye: Flush thoroughly with copious amounts of clean water. Seek medical attention.

Skin: Remove contaminated clothing, and wash with soap and water.

Inhaled: Product is Xylene based. Irritation with asthma like symptoms. It is unlikely the product would be inhaled due to its viscosity. Inhaled matter is likely to be Xylene.

Advice to Doctor

Treat symptomatically.

Precautions in Use

Product is Xylene based and flammable, it should be kept away from all ignition sources. Follow good industrial hygiene and chemical precautions, particularly in respect of flammability.

Use in ventilated areas and provide flameproof artificial ventilation if required to maintain concentrations below Xylene Exposure Standard of 350g/m³ (TWA) 655/m³(STEL) or 100ppm.

ENGINEERING CONTROLS

Use in well ventilated areas. If working in confined area, artificial breathing equipment should be used.

Exposure Limits

Refer above.

Ventilation

Product should be applied in areas with adequate ventilation.

Personal Protection

Gloves: Solvent resistant gloves are recommended.

Eyes: Safety goggles. The wearing of contact lenses poses an additional risk. Soft lenses may absorb irritants and all lenses concentrates them.

Feet: Wear safety footwear.

Skin: The wearing of coveralls is strongly recommended.

Safe Handling Information

Storage and Transport

Store in cool, dry area and place out of the reach of children. Product is flammable.

Suitable containers: Metal pails/drums, as recommended by manufacturer.

Check containers are labeled and not damaged. Dangerous Goods class III must be declared prior to transportation.

Spills and Disposal

Prevent spills from entering the drains or sewers. Absorb product with sand or earth or absorbent material and dispose to land fill as in accordance with local council regulations.

Major spills unlikely due to individual size of containers.

Fire / Explosion Hazard

Product is flammable and should be kept away from any sources of ignition and out of direct sunlight.

Container should be kept cool with water spray to prevent pressure build up. Burning product may produce dense irritating smoke. Heat may cause cans to rupture.

Extinguishing agent: Dry CO2 foam.