

# DUROPRIME PU PRIMER

Liquid Polyurethane Primer



## DESCRIPTION

Duroprime PU Primer is a moisture curing, single pack, liquid polyurethane penetrating waterproofing primer. It is formulated to compliment Duraroom crosslink technology the chemical bond between the PU, Durorproof Primer or Duroprime is exceptionally strong. PU 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 Duroproof PUM and Duroprime membranes.

Duroprime PU Primer 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 Duroproof PUM waterproofing membranes. The PU dries by evaporation of the solvent and then cures upon contact with water vapour in the air.

## USE AREA

Duroprime PU Primer is formulated to prime most surfaces to be waterproofed using Duroproof PUM, included are the following:

Concrete, cement and cement render. Timber. Plaster Board and Fibre - Cement sheeting. Brick and Block work and roofs. Given its inherent properties, it can also be used as a penetrative sealer. Ensure that the PU is dry prior to the application of Duroproof PUM.

## FEATURES

- 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.
- Moisture curing polyurethane.
- Suitable for above ground and below ground applications.
- Improves the coverage of the Duroproof PUM membrane.
- Improves easy of membrane application.
- Suitable for permanent immersion of water.
- Suitable for use on most porous substrates.



## APPLICATION

PU 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

Duoprime PU Primer should not be used as a primary waterproofing membrane.

Use only in conjunction with Duroproof PUM waterproofing membranes. For details refer Duroproof PUM product data sheets. Duoprime PU Primer should not be used to dilute Duroproof PUM, any dilution will diminish or negate the properties of these products.

Duoprime PU Primer is not a vapour barrier and should only be used when there is a very low risk of entrapped moisture in the slab.

Duoprime PU Primer should not be used as a primer on roofs or exposed areas. The preferred primer for these areas is Duomix WBE Hibuild.

## PRECAUTIONS IN USE

Duoprime PU Primer 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 Duroproof PUM. For best results the Duroproof PUM 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 Duoprime PU Primer. Longer periods will diminish the cross - linking bond between the 2 coats. Clean equipment with Duoprime 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 4m<sup>2</sup> per litre per coat.

## 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.

## COLOURS

Translucent

## CLEAN UP

CAUTION: Spills are difficult to remove. Wet utensils can be cleaned with Duoprime Solvent. Do not allow Solvents to enter the drains

## SAFETY & PRECAUTIONS

Refer to the PU 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.

For full safety data refer to the products Material Safety Data Sheet. Observe precautions as per label.

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