



PRO ROOF PRIMER

1. PRODUCT DESCRIPTION

PRO ROOF PRIMER is a hard wearing, water based, high solids PU/acrylic Hybrid offering the resistance and strength of PUs along with the ease of installation afforded by acrylics. Designed to seal & protect a wide range of surfaces e.g. Plain or exposed aggregate Concrete, Stone, Slate, CBP, Clay paver's, etc..

PRO ROOF PRIMER can also be applied to damp surfaces e.g. same day seal as wash off on new PIC

2. THE SYSTEM

SPECIAL PROPERTIES:

For external & internal use PRO ROOF PRIMER, when cured, is a colourless single component, low viscosity product with fast cure enabling rapid installation and early re-use of facility. Its unique formulation make it easy to apply and achieve an even, uniform, and seamless finish. PRO ROOF PRIMER can also be applied to damp surfaces e.g. same day seal as wash off on new PIC A major feature is its low odour [slightly ammoniacal]making it ideal for use in food preparation areas, restaurants.

MAIN APPLICATIONS: Clay tiles, weathered slate, concrete etc.

3. FEATURES / BENEFITS

- Single component - spreads easily, cures quickly for rapid re-use of facility.
- Superior moisture resistance aids year round use.
- Higher strength & better chemical resistance than traditional sealer's.
- Stops oil & other stains & incorporates a UV filter.
- Improved impact & abrasion resistance prolongs performance life reducing whole life cost.
- Reduces and eases routine maintenance.
- Ease of future refurbishing without the need to strip.
- Satisfies requirements of Local Agenda 21

4. TECHNICAL DATA

Coverage:	8 – 10 m2 per litre per coat depending on surface porosity.
Application temperature:	min +5°C max + 35°C.
Cure rate:	touch dry 2h at 20°C.
UV resistance:	none.
Flash point:	N/A.
Storage:	under cover and protect from extremes of temperature.
Shelf life:	18 months unopened.
Packaging:	10 & 20 Litre.
Shipping specification:	Not classified for transport
Equipment Cleaning:	Use water immediately after application.



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5. APPLICATION

Use as supplied without thinning down.

Surfaces should be clean, dry & free from oil, grease, dust, laitance and any other deleterious materials. Do not apply in temperatures below 5°C or above 35°C and should not be subjected to extremes of temperature until completely dry.

It is important to undertake a representative test area to ensure that the product is suitable for your requirements prior to commencement of the project and assessed for final appearance, chemical resistance and wet & dry slip resistance. This is particularly important where the surface has previously been sealed.

Application is normally single coat and should ideally be by an airless sprayer but application by brush or roller is also suitable [see detailed installation instructions]. During application care should be taken to protect adjacent areas & equipment from overspray.

The surface should be sectioned off to assist accurate coverage. Apply maintaining a wet edge but do not allow to puddle. Under normal conditions it will be touch dry within 2 - 4 hours at which time a second coat may be applied.

6. PROPERTIES

Tensile Strength (MPa):	16.3
Elongation (%):	352
Specific Gravity (at 20°C):	0.86 - 0.88
Resin Solids Content (%):	Not exceeding 30%
Appearance:	Gray Milky Liquid,
UVa Stable:	Yes
Free Isocyanate Monomer:	n/a
Rate of Cured Film Hardness (Sward):	51 (24 Hours), 64 (1 Week) @20°C
Viscosity (at 25°C mpa.s):	<20-50cPs
EEC Hazard Identification:	No significant hazard
UN Number and Shipping Class:	Not classified for transport

7 HEALTH & SAFETY

As with all chemicals care must be taken when handling and in use. However, PRO ROOF PRIMER is classified as presenting no significant hazard. Wear appropriate protective clothing. A mask of recommended type is advised when working close to the surface [e.g. when using paint brush] or working internally.

8 MAINTENANCE

No maintenance should be required.

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9 OTHER INFORMATION

This information should be used as a supplement to other information obtained to make independent judgement of suitability and to ensure proper use and protect the health and safety of employees.

Judgement as to the suitability of the information herein for the purchaser's purposes are the purchaser's responsibility. Therefore although reasonable care has been taken in the preparation of such information, Thermilate Technologies Ltd extends no warranties, makes no representations and assumes no responsibility as to the accuracy of suitability of such information for application to purchasers intended purpose or for consequences of its use.



Prepared by Thermilate Technologies Ltd

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This Product Data Sheet supersedes all other previously dated sheets for this product.