

# Proplast Acrylic

Ready to use, acrylic based decorative coat for internal and external applications



## DESCRIPTION

Proplast Acrylic is a high performance ready to use, thin-layer decorative plaster for internal and external applications.

Proplast Acrylic consists of a unique composition of acrylic binders, mineral fillers, special polymers and pigments that provides a high quality decorative plaster can be easily applied by trowel on concrete or cement based substrates to produce a water repellent decorative coat for long lasting attractive smooth or textured appearance.

## APPLICATIONS

- » To create a decorative textured finishing on building facades externally.
- » Walls and partitions covering internally.
- » As a final layer of the External Thermal Insulation Composite System (ETICS) from DCP.

## ADVANTAGES

- » Hydrophobic.
- » Weather resistant for durable system.
- » Highly vapour permeable allowing concrete or substrates to breath.
- » Good thermal characteristics.
- » Variety of decorative textured finishes.
- » Variety of colours.
- » Nonflammable.
- » Easily cleaned.
- » Environmentally friendly.

## COMPATIBILITY

Proplast Acrylic complies with EN 15824 requirements.

## METHOD OF USE

### SURFACE PREPARATION

Surfaces shall be sound, dry and clean from all contaminants. Surface laitance or any loose and friable material should be removed prior to application.

Proplast Acrylic system can be applied on new or old surfaces of pre-cast concrete, normal concrete, normal cement/lime based plaster, aerated concrete, and gypsum plasters.

## TECHNICAL PROPERTIES @ 25°C:

Appearance:	Pasty liquid with different size fillers
Density:	$1.75 \pm 0.05 \text{ g/cm}^3$
Bond strength: EN 1542	$\geq 1.5 \text{ MPa}$ Substrate failure
pH: EN ISO 787-9	10 - 11
Thermal conductivity EN 1745	$0.7 \pm 0.1 \text{ W/m.K}$
Water transmissibility: EN 1062-3	$\leq 0.5 \text{ kg/m}^2.\text{h}0.5$ (Class II, Medium)
Water vapour transmission EN ISO 7783-2	$\geq 50 \text{ g/m}^2.\text{d}$ (Class II, Medium)
Durability against freeze thaw:	Passes
VOC ASTM D2369	$\leq 40 \text{ g/ltr}$ Complies with LEED

## FOR PROPLAST UNIVERSAL PRIMER:

Appearance:	Pasty liquid with fine aggregates comes in different colours
Specific gravity:	$1.45 \pm 0.05$
pH:	8 - 9

The application of this system is not suitable on plastic and resin paints, varnish and oil-based paints.

Prime the substrate using Proplast Universal Primer using a shorthair lamb wool roller or a soft brush at a rate of 5 - 8 m<sup>2</sup> per litre.

Proplast Universal Primer should be used as a bonding agent and a balancing pH system between the different substrates and the acrylic plaster. This primer is a water-based system consisting of styrene copolymer binder. It also helps in the uniformity of colouration of the final coat.

After priming, at least 24 hours are needed before applying the acrylic plaster.





# Proplast Acrylic

## APPLICATION

Before the application, Proplast Acrylic shall be thoroughly stirred using a slow speed agitator.

The material is applied with a stainless steel trowel. Different textures are obtained especially if a floating trowel is used where the working action can be done in circles, horizontally or vertically.

## PRODUCT GRADES AND TEXTURES

Proplast Acrylic comes with two different systems related to the final desired finish:

**T type:** is the normal textured uniform system; where the largest grain size appears uniformly on the whole finish. The T type comes with different large grain sizes which reflect in the final thickness.

**S type:** is the scratch type finish, where selected large grain particles will be spread in the finish and gives a randomly scratch effect on the finish. The size of these large grains affects the thickness of the applied layer.

The following table summarizes the system:

Structure Type	Recommended thickness (mm)	Theoretical consumption (kg/m <sup>2</sup> )
T 0.5	0.5 - 1.0	0.9 - 1.7
T 1.0	0.7 - 1.2	1.2 - 2.1
T 1.5	1.5 - 2.1	2.6 - 3.6
T 2.0	2.0 - 2.5	3.6 - 4.5
T 3.0	2.5 - 3.0	4.5 - 5.4
S 2.0	2.0 - 2.5	3.6 - 4.4
S 3.0	2.5 - 3.0	4.4 - 5.4

## MAINTENANCE

To overcoat Proplast Acrylic, Repcoat FF can be used.

## PACKAGING

Proplast Acrylic is available in 10 kg buckets and 25 kg pails.

Proplast Universal Primer is available in 18 litre pails.

## STORAGE

Proplast Acrylic has a 6 months shelf life when stored in original closed packs in shaded temperature controlled conditions.

Proplast Universal Primer has a shelf life of 6 month from date of manufacture if stored in original closed containers in shaded temperature controlled conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

## CAUTIONS

### HEALTH AND SAFETY

In case of contact with eyes wash immediately with plenty of water and seek medical advice promptly.

For further information refer to the Material Safety Data Sheet.

### FIRE

Proplast Acrylic and Proplast Universal Primer are nonflammable.

## MORE FROM DON CONSTRUCTION PRODUCTS

A wide range of construction chemical products are manufactured by DCP which include:

- » Concrete admixtures.
- » Surface treatments
- » Grouts and anchors.
- » Concrete repair.
- » Flooring systems.
- » Protective coatings.
- » Sealants.
- » Waterproofing.
- » Adhesives.
- » Tile adhesives and grouts.
- » Building products.
- » Structural strengthening.



### Note:

We endeavour to ensure that any information, advice or recommendation we may give in product literature is accurate and correct. However, because we have no control over where and how products are applied, we cannot accept any liability arising from the use of the products.