

TECHNICAL DATA SHEET

DURO SILANE

Tintable Exterior Breathable Façade Coating For Concrete, Masonry & Render Walls

DESCRIPTION

DURO SILANE is a Ultra Premium Exterior Breathable Matt siloxane modified acrylic topcoat suited to new/uncoated mineral substrates. DURO SILANE is hydrophobic, with superior water/gas permeable properties and super weather resistance and self cleaning effect. DURO SILANE is a high opacity product requiring only one coat to achieve coverage in like colour repaints. In new work just 2 coats of Duro Sil-Prime and 2 coats of Duro Silane topcoats are required.

PRINCIPAL CHARACTERISTICS:

- UV stable, superior weather resistant
- Hydrophobic, micro porous, non-film forming
- Vapour & Gas Permeable
- Reduces Visual Imperfections
- Self-Cleaning Effect
- Water-based, non-hazardous
- Protects against damage by UV, CO₂, water and chlorides
- Tintable to 1000's of colours
- Low dirt pickup, long repaint interval
- Application by brush, roller and airless spray
- Mould, fungi, bacteria and algae resistant
- Environmentally friendly, low odour and VOC compliant.
- Easily maintained and repaired
- Excellent adhesion to Concrete & Masonry etc.



USE AREAS

- Concrete, brick, blockwork,
- Render walls, Masonry
- Fibre cement sheeting
- Balconies and façade.

PACKAGING:

- 15 Litre

TECHNICAL INFORMATION:

Substrate	New concrete, masonry, render, bricks
Colour	Can be easily tinted to 1000's of colours in matt finishes.
Dry Time	Touch dry 30 minutes @ 25°C & 50% Relative Humidity
Recoat	1 – 2 hours @ 25°C
Coverage	8 – 10 M ² /L/Coat, DFT 40um per coat
Volume Solids	35 – 40%, white
VOC	<60 grams/litre, SCAQMD Method 304 – 91
Storage	Min. 12 months, unopened and stored @ 20°C
Water vapour permeability, SD	<0.14M (high, class 1)
Paint system	2 coats Duro Sil-Primer + 2 coats Duro Silane topcoats or 1 coat Duro Sil-Crème + 2 coats Duro Silane topcoats
Shelf Life	12 months in unopen proper sealed container at 20°C

PREPARATION

All surfaces shall be sound, clean, dry and free of release & curing agents, laitance, efflorescence, oils, bird droppings, mould, algae and other contaminants. Check adhesion by applying to a test area. Concrete, blockwork and cement render should be at least 28 days old, dry and free of voids and other surface defects. Make sure painted surfaces are sound and remove any chalking by pressure spray and/or a 'sugar soap' detergent wash. For mould, fungi and algae affected areas pressure spray and then treat with Duroprep Antifungal Concentrate to destroy fungal spores and algae remains. For previously painted surface, remove all peeling, cracking, loosely adhering material, sand smooth & dust down. Repair any damaged area/s with appropriate filler, sand smooth, dust down. Apply one coat of Durotech primer to the repaired area/s prior to top coating.

PRIMING

Prime absorbent surfaces, weakly bound chalky surfaces, cement rendered parapet and balcony walls with Duro Sil-Prime. For heavy duty protection on concrete, use Duro Sil-Creme.

PREVIOUSLY COATED SURFACE

Make sure the old coating are sound without any blistering or lifting and free of contaminants. Remove all loose paint and check for adhesion. Dust off and paint with 2 coats of Duro Silane. If the old coating is not a breathable coating, there is a possibility that the system will blister or lifting with time.

APPLICATION

Do not dilute with water. The product are recommended for brush, roll and spray application. For spray application the recommended system is an airless spray system using a piston pump. The recommended spray tip is a 19 to 21 thou (thousands of an inch) fan type. The pump can be electric or driven by compressed air, and needs to produce a pressure of about 3000 psi.

WARRANTY

15 years again cracking, peeling & blistering where the product has been applied according to manufacturers displayed directions and in accordance with AS2311, the painting of buildings. If it doesn't deliver, we will replace the product free of charge to repaint the defected area. This guarantee does not cover paint failure caused by any breakdown of coatings applied previously

PRECAUTIONS

Do not apply Duro Sil-Prime or Duro Silane below 10°C ambient. Do not apply above 30°C or in hot windy conditions, or if rain is likely within 6 hours. In summer apply in the cooler part of the day. Be sure coating is cured before contact with water. Wash equipment with water before dry. Do not expose to solvents. Clean periodically to maintain surface and re-coat when necessary.

CLEANUP Use fresh water before material has set. Soften cured material with mineral turps.

SAFETY Avoid breathing vapours and contact with skin and eyes. Refer to product MSDS

FIRST AID: In case of contact rinse immediately with plenty of water.

SPILLS: Contain spill and prevent entry into to waterways. Refer to Durotech Safety Datasheet before use