

DURASIL
Updated Nov'22

DuraSil is a silicone resin emulsion paint which has been demonstrated over time to provide excellent durability in protecting exterior walls against moisture, harsh weather, UV, pollutants and chemical attack.

Silicone resin emulsion paint has the combined advantage of polymer-bound and mineral coating; very low water absorption (because of its excellent water repellence) and extreme durability combined with high water-vapour permeability. The high water-vapour permeability enables the masonry to breathe and release the moisture quickly into the atmosphere.

Product Features:

- High water-vapour permeability
- Low water absorption
- Excellent water repellence
- Excellent durability for exterior application
- Fungus and algae resistance
- Good dirt pick-up resistance
- Excellent hiding power
- Easy application
- Good adhesion to substrate
- Good recoatability

Paint Type	Product Type	Finishing	Recommended Substrate	Pack Size
Water based	Exterior	Matt	Masonry	20 Litres

Composition

Pigment	: Mainly Titanium Dioxide, Iron Oxide, Carbon Black, Organic Pigments and Extender Pigments
Binder	: Combination of acrylic emulsion and silicone resin
Thinner	: Water

Technical Data

Drying Time	: Touch Dry : 15 minutes (Dependent on temperature and humidity)
	: Hard Dry : 1 hour (Dependent on temperature and humidity)
Recoating Time	: 2 hours (Dependent on temperature and humidity)
Dry Film Thickness	: Around 30 µm per coat (based on substrate condition)
No. of Coats	: 2 coats
Theoretical Coverage	: 11 - 13 m ² per litre per coat (Actual coverage is dependent on substrate condition, application method, application condition and finishing appearance)
Volume Solid	: ~ 35%
Shelf Life	: Up to 36 months in tight sealed container

Application Method

Brush / Roller	: Dilute the paint with not more than 5% of water. Preferable not dilute for best performance.
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Recommended Coating System
Repainting Surface

Sealer / Primer	: 8000 Advance Sealer / ExpressKote Sealer	: 1 Coat
Top Coat	: DuraSil	: 2 Coats

New Surface

Sealer / Primer	: Watersil W350 Primer	: 2 Pass wet-on-wet
Top Coat	: DuraSil	: 2 Coats

Surface Preparation

Remove all loose, defective paint or powdery residues by wire brushing, scraping or high pressure water jet. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Repair cracks, uneven surfaces with suitable fillers. Smoothen the putty / filler areas with sandpaper. Allow all surfaces to dry completely prior to painting. Avoid painting when the moisture content and alkalinity of the walls are still high. (Recommended painting specification requires the moisture content of the walls to be below 16% measured by protimeter and alkalinity of the walls to be below pH9.)

Previously Painted Surfaces

Remove all unstable paint film, loose chalk, dust, fungus, algae and foreign matter. Treat any areas affected by fungus growth with Fungicidal Wash Solution. Make good any surface defects, clean off and dry. Spot prime with Nippon Exterior Wall Sealer.

Cleaning

Clean up equipment with water immediately after use.

Safety Precautions

- Keep container tightly closed and keep out of reach children or away from food and drink.
- Ensure good ventilation during application and drying.
- When applying paint, it is advisable to wear eye protection.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap or water.
- Paint must always be stored in a cool place.
- When transporting paint, care must be taken. Always keep container in a secure upright position.
- Dispose off any paint waste in accordance with the appropriate Environment Quality Regulations.

Note

* Theoretical Coverage is based on a mathematical formula

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS.

Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more.

The above information is given to the best of our knowledge based on laboratory tests and practical experience.

However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself.

We reserve the right to alter the given without prior notice.