

Product Description:

Nippon 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 repellency) 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.

Recommended Uses:

For decoration and protection of exterior walls.

Product Features :

- High water-vapour permeability
- Low water absorption
- Excellent water repellency
- 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

Composition:

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

Properties:

Colour	: A wide range of colours. Please refer colour card.
Texture	: Matt finish

Recommended no. of coats : 2 coats

Recommended Dry Film Thickness Per Coat : 40 – 45 µm

Drying Time

Touch Dry	: Dependent on temperature and humidity
Hard Dry	: 1 hour

Recoating Interval	: Minimum 2 hours
Theoretical Coverage at Recommended Dry Film Thickness	: 8 m ² per litre per coat (based on 40 micron DFT per coat) (Actual coverage is dependent on substrate condition.) *

Application Methods:

1) **Brush / Roller** : Maximum 5% dilution

Clean Up : Clean all equipment with water immediately after use.

Surface Preparation:

Remove all loose and powdery residues by scraping. Repair cracks, uneven surfaces with Nippon ACS Putty or suitable fillers. Smoothen the putty / filler areas with sandpaper. Surfaces to be painted must be cleaned thoroughly and dry, it must be free from dirt, grease and other foreign matters. 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 wall to be below pH9.)

Recommended Paint System

For Previously Painted Surface (Repainting Surface)

Sequence	Product Name	No. of Coats
Sealer	NIPPON VINILEX 5100 WALL SEALER	1
Finish	NIPPON DURASIL	2

For New Surface (Unpainted Surface)

Sequence	Product Name	No. of Coats
Sealer	NIPPON WATERSIL W350 PRIMER**	2 coats wet-on-wet
Finish	NIPPON DURASIL	2 coats

** The recoating interval between the primer and top coat cannot be more than 2 weeks.

Standard Packing : 20 litres

Safety, Health and Environmental Information:

Keep container tightly closed and keep out of reach of 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 Environmental Quality Regulations.

Note:

* Theoretical Coverage is based on a mathematical formula

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

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 data without prior notice.