



NIPPON Q-SHIELD EXTRA *External Emulsion*

Product Description:

Nippon Q-Shield Extra is a pure acrylic-based paint with non-added mercury which is specially formulated for exterior walls. This high quality paint resists fungus, flaking and chalking. It provides good adhesion onto walls, has low dirt retention properties, and is extremely durable against harsh weather.

Recommended Uses:

For decoration and protection of exterior walls.

Standard / Independent Body Approval:

Approved by SIRIM to Malaysian Standard MS 134 : 1989

Composition:

Pigments	: Mainly Titanium Dioxide, Iron Oxide, Carbon Black and Organic Pigments and Mineral Extender
Binder	: Pure Acrylic Emulsion
Thinner	: Water

Properties:

Colour	: A wide range of colours. Please refer colour card.
Appearance	: Low Sheen

Recommended no. of coats	: Minimum 2 coats
Recommended Dry Film Thickness Per Coat	: Around 30 µm (Dependent on the substrate condition)

Drying Time	
Touch Dry	: 15 – 30 minutes
Hard Dry	: 30 – 60 minutes

Recoating Interval	: 2 – 3 hours
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Theoretical Coverage at Recommended Dry Film Thickness	: 11 - 13 m ² per litre per coat (Actual coverage is dependent on substrate condition.) *
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Application Methods:

- 1) Brush / Roller** : For the 1st coats, thin with 5% - 10% water; and 2nd coat, thin with 5% water.
- 2) Conventional Air Spray** : Dilute the paint with 20% - 25% water.
- 3) Airless Spray** : Dilute the paint with 10% - 15% water for the 1st and 2nd coats.
- Clean Up** : Clean up equipment with water immediately after use.

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 Nippon Fungicidal Wash Solution. Repair cracks, uneven surfaces with Nippon ACS Putty or 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. Make good any surface defects, clean off and dry. Spot prime with NIPPON VINILEX 5100 WALL SEALER.

Recommended Paint System

Type of Substrate:

FOR MASONRY

Sequence	Product Name	No. of Coats
Sealer	NIPPON VINILEX 5100 WALL SEALER / NIPPON ACRYLIC 5170 WALL SEALER	1
Finish	NIPPON Q-SHIELD EXTRA	2

Standard Packing : 5 litres, 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.