BEGER NANO-1 Shield

100% Acrylic Emulsion Paint (Semi-Gloss) : For Exterior and Interior

Description

Beger Nano-1 Shield is premium quality 100% pure acrylic emulsion paint for interior and exterior surface in all residential application . Formulated from special nano-acrylic resin and light fast pigment (Colour Guard formula) to provide exceptional, resulting in long-lasting paint. Ideal for use on properly masonry surfaces.
No added lead, no added mercury and environemental safe.

Feature and Benefits

* Easy application
* Extra smooth appearance film
*High durability and tough
* Outstanding resistance to all climate
*Excellent adhesion
*Exceptional water and weather resistance
*Good resistance to fungus, mildew and mold attact
*Low dirt pick up and washable film
*Good color and gloss retention

Application Area

Beger Nano-1 Shield intends for wide range of applications including decoration and protection on masonry surface (new construction or renovation). It is ideal for application on building and housing or various substrates including concrete, cement mortar, plaster, fiber cement, asbestos and siding, brickwork hard or soft boards, gypsum board and other building materials

Film Thickness and Spreading Rate

	Minimum	Maximum	Typical
*Dry film thickness (microns)	25	35	30
*Wet film thickness (microns)	90	110	100
*Theoretical coverage rate(m2/gallon)	30	40	Actual consumption rate depends on application method and surface condition.

Physical Properties

*Vehicle type : Pure Acrylic 100% Emulsion Paint
*Finish : Semi-gloss
*Colour : According to the "Beger Crads" : 30 - 35%
*Solid by volume
*Dry time (@25'c)
Touch Dry : 30 minutes
Recoat : 2 - 4 hours
VOC Content (g/L) : < 1.23

Application Method

* Thinner : Clean water.
*Tool : Brush, roller or spray gun.
* Condition during application : The moisture content in the concrete should not exceed 14%.
: Concrete and masonry cure at least 30 days before coating.
: Application by roller or brush dilute with 5 - 10% clean water by volume.
: Application by spray gun dilute with 5 - 10% clean water by volume.

Application System

*Surface preperation : Surface should be dry and clean. Remove completely all dirt, grease, oil, or any contaminated by washing surface with suitable cleaner.
: Surface with fungus, mold and mildew growth must be cleaned off and follow by the treatment of fungicidal wash Beger Mouldfree #M-001. : Repair all surface imperfections. Before application, fill and seal hairline cracks by working a generous amount of material into void. Cracks and gaps wider than 2.0 - 10.0 mm. should be filled with acrylic sealant. Use Beger Acrylic Wall Filler #F-200 for cracks and gaps with less than 0.3 - 1.0 mm. width. Stir content thoroughly before and during application.

*Typical paint system
: New Masonry Substrate
*Primer : Beger Nano-1 Alkali Resisting Primer #1400 — 1 coat
*Topcoat : Beger Nano-1 Shield — 2-3 coat
: Previously Painted Surfaces
*Primer : Beger White Contact Primer #B-1700 — 1 coat
*Topcoat : Beger Nano-1 Shield — 2-3 coat

Environmentally Friendly Tips

: Do not mix paints for storage or disposal. Leave paint in the original container. : Do not throw liquid paint in the trash or pour it down the drain.
: Small amounts of latex paint can be air-dried and disposed through your trash collection system.

Storage

: The product must be stored in accordance with national regulations. Storage conditions are to keep the containers in a dry, cool, well ventilated space and away from source of heat an ignition.
: Containers must be kept tightly closed.
: 36 months at ambient.

Health and safety

: Use under well ventilated conditions.
: Do not breathe or inhale mist.
: Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water.
: Eyes should be well flushed with water and medical attention sought immediately.

Precaution

: Keep out of reach of children.

Reference Standard

: Thai Industrial Standard : TIS 2321 - 2549 (Durable Emulsion Paint)

Packing Size

: 3.785 Litres, and 18.925 Litres.

DISCLAIMER

The information in this data sheet is given to the best of our knowledge based on laboratory testing and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself. We reserve the right to change the given data without notice.