

# Nano Guard

Priceless care for buildings

**Nano Guard** is a water-based high performance, nano technology water repellent. It forms a hydrophobic beneath the surface and seals out moisture while remaining highly vapour permeable. The visual appearance of the treated surfaces will show nominal or no change resulting from product application, Or transparent coating. The benefits include enhanced resistance to efflorescence. Freeze thaw damage, cracking and spalling. Cured system is resistant to ultraviolet light and may be used as a sealer for salty water, acidic water, hazardous water/ chemical surface. It does not produce a surface film or impair the natural breathing characteristics of treated surfaces.



Coated with Nano Guard



Non-Coated with Nano Guard



**Nano Guard** is an additive used in the manufacture of aqueous masonry coatings and aqueous primers to enhance water repellency, waterresistance and water- vapour permeability. It also improves the processability and anti-block characteristics of the aqueous coatings.

#### Suitable for:

- Best for sandstones waterproofing.
- silicone resin emulsion paints and silicone resin plasters.
- silicate emulsion paints and plasters.
- highly filled emulsion coatings.
- whitewash emulsions.
- interior paints.
- sealer for efflorescence salty water, acidic water, hazardous water/ chemical surface.
- reinforcing stoppers.
- aqueous facade primers.
- insulating materials.

**Nano Guard** may also be thinned with water for use a water-repellent primer on material substrates and as a water repellent for in-plant manufactured insulation materials.

#### Processing

**Nano Guard** may be added undiluted to aqueous masonry coatings and primers either during manufacture. We recommend Nano Guard water-repellent dilution 1:10(chemical : water) parts by weight with water. When such primers are required to strengthen the substrate, we recommend adding a polymer dispersion in hydrosol form. For the impregnation of insulating materials.

#### Storage

The "Best use before end date of each batch is shown on the product label.

Storage beyond the date specified on the label does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

#### Product data

| Typical general characteristics | Inspection Method | Value                       |
|---------------------------------|-------------------|-----------------------------|
| Appearance                      |                   | milky, white                |
| Solids content                  |                   | approx. 55%                 |
| Density at 20 °C                | DIN 51757         | approx. 1 g/cm <sup>3</sup> |
| PH-Value                        |                   | approx. 7                   |

These figures are only intended as a guide and should not be used in preparing specifications.