superior quality decorative exterior waterborne protection based on acrylic resins with NPS® technology (Nanometric Painting System)

- for exterior or interior use
- certified anti carbonation coating
- alkali resistant
- superior colour retention properties
- superior opacity
- superior adhesive and cohesive properties
- superior resistance to UV radiation
- superior resistance to dust and sand pick up
- superior resistance to the effects of moisture
- excellent heat reflection with ULTRA-COOL colors
- easy to apply
- conforms to environmental specifications

see Sigma Standard Colour Selection – flat

approx. 1.35g/cm³
approx. 64%± 2% by volume depending on colours
approx. 21.3m²/lt @ 30µm depending on the nature and condition of the substrate and the application method employed
approx. 30 minutes
min. 2 hours
max. no limitation
18 months
above 65 °C
1 usg, 15 ltr
- dry and clean primed concrete, cement render and plaster
- dirt, dust and other contamination must be removed

Please turn
**SIGMA GUARDIAN NANO**

January 2014

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**RECOMMENDED SUBSTRATE CONDITIONS**
- previously painted substrates
  - free from defective or poorly adhering paint films
  - wash intact or remaining paint films with a 3% ammonia solution
  - not recommended over glossy or solvent borne paint types.

**SYSTEM SPECIFICATION**

<table>
<thead>
<tr>
<th>Recommendated Primers</th>
<th>- 0907 Sigma Guardian Primer</th>
</tr>
</thead>
<tbody>
<tr>
<td>Recommendated Fillers</td>
<td>- 0908 Sigma Guardian Filler*</td>
</tr>
<tr>
<td></td>
<td>* in case a filler is used proper sanding followed by one coat of 0804 Sigmifix Primer must be used before applying Sigma Guardian Nano</td>
</tr>
<tr>
<td>Recommendated Finish</td>
<td>- applied in two coats @ 30 - 50 µm dft per coat</td>
</tr>
</tbody>
</table>

**INDEPENDENT TESTS**
- University of Dortmund

| Carbon Dioxide Diffusion | - DIN EN 1062-6 | SD C0₂ @50µm < 200m |
| Water Vapor Diffusion    | - DIN EN ISO 53 122-1 | SD H₂O @50µm = 0.1m |
| Water Absorption         | - DIN EN 1062-3 | WA= 0.06kg/ m² - h 0.5 |
| Weathering/Colour Stability | - Classified as Superior | Test Report T1-230-1 |

**METHOD OF APPLICATION**

**BRUSH AND ROLLER**
- Recommended thinner: sweet water
- Volume of thinner: approx. 0 - 5%

**AIRLESS SPRAY**
- Recommended thinner: sweet water
- Volume of thinner: approx. 5 - 10%

**SAFETY PRECAUTIONS**
- see safety sheet 1570 for information on LEL and TLV values

**ENVIRONMENTAL**
- complies with VOC specifications such as LEED VOC < 50g/l

**REFERENCES**
- explanation to product data sheets on information sheet 1551