Technical Data Sheet

PES-CHEM 555 PESINOX

Pes-chem 555 Pesinox is a single pack water based high build acrylic coating. The product is supplied ready to use and is ideal for protecting metallic and cementitious surfaces subject to weathering and corrosion. The product is capable of long term corrosion protection on Hydroblasted to abrasive blast cleaned surfaces.

Pes-chem 555 Pesinox is a high performance anti corrosive coating designed for ferrous surfaces prepared by water jetting. Its encapsulating and UV resistance properties provide superior long term protection of external surfaces.

Typical applications

Structural steel, external tank surfaces, concrete structures.

Surface Preparation

All surfaces should be clean, dry and free from oils, grease, loose material, standing water and any other contaminants .

Metal Surfaces: Should be prepared by mechanical wire brushing, grinding or high pressure water jetting (typically 11603 PSI, 800 bar)or, grit blasting to achieve SSPC-SP 12, Nace 5, Swedish Standard St3, taking particular care when cleaning badly pitted surfaces.
The visual surface cleanliness should reach the level of WJ-4 (loose rust, mill scale, loose coatings uniformly removed)

Mixing and Application

Single component material and should only require stirring with a slow speed mechanical mixer prior to use to incorporate any slight separation.

Please stir the container prior to applying the product to any prepared surfaces.

This product can be applied by brush, roller, and squeegee or by standard airless spray

Product must not be applied when humidity reads higher than 85% or when the surface to be coated is less than 41°F (5C°) and 5°f above dew point Pesinox should be applied as a two coat system at 14 mils (350 microns) per coat. The first coat should be allowed to dry to the touch (30 minutes depending on substrate and weather conditions) prior to the second coat being applied.

No top coat is required .

All equipment should be cleaned IMMEDIATELY after use with clean water.

Cure Times

At 68° (20℃) the applied materials should be allowed to harden for the times indicated below before being subjected to the conditions indicated. These times will be extended at lower temperatures and reduced at higher temperatures:

Touch dry	30 mins.
Minimum Over coating	30 mins.
Hard Dry	24 hrs.
Full cure	7 days
Maximum Over coating	Indefinite

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Technical Data and Performance

Tensile Strength ASTM 412	464 lbs / in
Corrosion Weathering ASTM D4798	1500 hours No cracks or blisters
Corrosion Resistance ASTM B117	5000 hours Outstanding
Elongation ASTM D412	230%
UV Resistance ASTM 653	5000 hours Unaffected
Impact Resistance ASTM D2444	110 lbs./ ins
Volume Solids	55%

Storage Life

2 years if unopened and stored in normal dry conditions 59-86°F (15-30°C)

Health and Safety

Please ensure good practice is observed at all times during the mixing and application of this product. Protective gloves and other recommended personal protective equipment must be worn during the mixing and applicati on of this product. Before mixing and applying the material please ensure you have read and fully understood the detailed Material Safety Data Sheet.