



DESCRIPTION

Chemguard AK1210QD is fast drying, high performance oil modified alkyd primer with selected functional rust inhibitive pigmentation for interior and exterior surfaces of Iron, Steel, and Aluminum. It is easy to apply by spray and has good resistance to general atmospheric weathering. With good adhesion and Barrier corrosion protection.

RECOMMENDED USE

For the protection of steel surfaces in the field or shop, such as ironmongery, structural steel, tank exteriors, machinery, equipment, pipe exteriors, pipe racks, bar joists and other ferrous surfaces not exposed to severe chemical attack. Not recommended for immersion services, exposure to acids, alkalis or strong solvents.

SURFACE PREPARATION

Surfaces must be clean and sound. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion.

Remove any oil or grease from surface to be coated with clean rags soaked in UNICHEM White Spirit or UNICHEM / Thinner #10. Allow surface to dry before application.

For maximum performance, abrasive blast to a commercial finish in accordance with SSPC-SP6 to obtain a profile of 25µ.

Aluminum surfaces should be washed with white spirit and either carefully roughened with abrasive paper or better be treated with etching primer, such as Chemguard wash primer.

Hand tool cleaning in accordance with SSPC-SP2 is acceptable.

MIXING

Power mix to achieve homogeneous appearance. Avoid excessive air entrapment.

THINNING

Thin with no more than 1/2 liter of thinner #10 per gallon for brush or roller application and no more than 1 liter for spray.

Stir well before use.

APPLICATION

Apply by brush, roller or spray. Natural bristle brushes are preferred. Short-nap synthetic roller cover with phenolic core gives the best results for wide areas.

Consult Unichem Technical Support Department for spray equipment instructions.

TECHNICAL INFORMATION

Color	Variable
Finish	Matt
Dry Film Thickness	30 -50 µ
Solids by volume	50% ± 3%
Non-volatile-matter ISO 3251:2003	60-70%
Curing During Film ASTM D5895/2003	4-5 hour
To Top Coat ASTM D5895/2003	6-7hour
Full cure	7 days at 24°C and 50% RH
Flash Point ASTM D3828/2007	15 °C
Flexibility ISO 1519/2011	Pass
Impact resistance ISO 6272-1/2011	Pass
Pencil Hardness ASTM D3363/2000	Pass
Resistance to liquids ISO 2812-4/2007	Pass
Adhesion ISO-2409/2007	Good

APPLICATION CONDITIONS

Min. Temperature 2°C

Max. Temperature 45°C

Relative Humidity 90%

THEORETICAL COVERAGE

The coverage rate is around 12.5m²/L at 40μ DFT.

SHELF LIFE

12 months when stored properly in unopened container in dry conditions at 10 - 25°C.

CLEANUP

Tools and equipment can be cleaned with Thinner #10.

PACKAGING

Chemguard AK1210QD is available in 3.6 and 18 Liter .

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Use with adequate ventilation and use a respirator when levels are above applicable limits.

Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product.

TECHNICAL SUPPORT

Technical assistance is available from the manufacturers trained field representatives.

UPDATED

March 2013

Unichem Product Group

Unichem offers a wide range of industrial coatings, fireproofing and construction chemicals products that are manufactured, which include:

- Intumescent coatings
- Fire retardants
- Industrial floorings.
- Steel and industrial coatings
- Waterproofing.
- Grouts and anchoring
- Concrete repairs.
- Structural protection.

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