CONCRETE shield 7000 Matt

DESCRIPTION This product is a superior quality, exterior, 100% pure acrylic water based topcoat.

Features and benefits The unique UV protected colours offer outstanding protection against destructive effect of UV rays present in Sunlight. Specially designed to withstand the harsh middle east weather conditions and provides durable & long lasting matt finish with low dirt pick up. Its unique formulation protects concrete from carbonation (Acts as anticarbonation coating).

Recommended use Ideal for decorating and protecting exterior surfaces. This product can also be used in interior areas such as Basement car park walls and ceilings as an highly effective anti carbonation coating.

Substrate
Cement plaster, concrete, block work, rendered surfaces, gypsum board etc.
Substrate should have sufficient strength to receive the paint. Any defects in the substrate like surface undulations, cracks, pin holes etc., should be rectified/filled before starting painting. The compatibility of any third party filling material, if used, shall be confirmed with concrete before application.

Properties

colors	
Solids (% volume)	34 ± 2
Specific gravity	1.31 gm/cm^2
vescosity	135 – 140 k.u.
thinner	water

The product can be applied by

Roller : Recommended.

Spray : Use airless spray or conventional spray.

Brush : Recommended to paint corners and edges..

Guiding data airless spray

- pressure at nozzle: 150 kp/cm^2

- nozzle tip: 0.015 – 0.021 inch

- spray angle: 60° - 80°

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Film thickness per coat

Dry film thickness   35-55µm

Wet film thickness   102-147µm

Film thickness will vary and is calculated as average.

Theoretical spreading rate   9.7- 7.8m²/l

Spreading rate depends on film thickness applied, type of texture, surface porosity,

imperfections, temperature, wastage during painting etc.

Maximum spread rate per coat is obtained at minimum dry film thickness and vice versa.

Conditions during application
The temperature of the substrate should be minimum 10 °C and at least 3 °C above the dew point of the air, measured in the vicinity of the substrate. Good ventilation is usually required in confined areas to ensure proper
drying.

Drying times
Drying times are generally related to air circulation, temperature, film thickness and number of coats, and will be affected correspondingly.
1. Recommended data given is, for recoating with the same generic type of paint.
2. In case of multi-coat application, drying times will be influenced by the number and sequence and by the total thickness of previous coats applied.
3. The surface should be dry and free from any contamination prior to application of the subsequent coat.

The drying time is measured by stated values:

Relative Humidity (RH) 50 %

Substrate temperature	10 °C	23 °C	40 °C
Surface (touch) dry	12 h	6 h	2 h
Hard dry	16 h	8 h	4 h
Dry to over coat, minimum	12 h	6 h	2 h

Surface preparation
The substrate must be sound, clean, dry and free from dust, oil, grease, laitance etc. All traces of form release agents/curing agents must be removed. A light sanding with suitable abrasive material is recommended before application. Any resulting dust/loose particles must be removed.

Recommended paint system

Primer
Acrylic pv1 Primer or shield Alkali selaer or shield Penetrating : 1 Coat

Topcoat
Concrete shield 7000 Matt : 2 Coats.
Use shield 7000 Filler or shield high protection filler to rectify any imperfections on the substrate followed by sanding and the removal of accumulated dust.

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size of the packages

- 1 L - 10 L.

Storage

The product must be stored in accordance with national regulations. Keep the containers in a dry, cool, well ventilated space and away from sources of heat and ignition. Containers must be kept tightly closed. Handle with care.