

DS SHIELD

PRODUCT CODE: EDSWSD51IC

Markhor's DS Shield is a Pure Acrylic exterior paint specially designed to endure the extreme weather conditions of Pakistan. The product has anti dust property, anti carbonation property, superb color retention against UV.

PRODUCT BENEFITS

Markhor's DS Shield provides extremely good protection against alkali and UV degradation thus ensuring that the shade doesn't fade for a long time and the paint lasts longer. It is 100% modified acrylic high performance exterior wall finish and based on a UV resistant acrylic binder and lightfast pigments. It has outstanding water resistant properties and excellent microbial properties, which prevent algal growth and helps in retaining the clean painted look year after year. DS Shield is an exterior wall finish that can be applied on various types of exterior cement plasters, exterior ceilings, asbestos sheets, concrete etc. It can not be applied on surfaces / substrate that are subjected to continuous seepage / dampness.



WATER BASED

LEAD FREE GUARANTEE

* All Markhor Paints products contain no added Lead, Mercury, Arsenic or Chromium

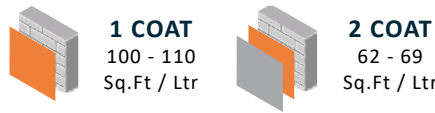
PRODUCT FEATURES

AVAILABLE PACKS



Shelf life: 2 years from date of manufacture in original tightly closed containers away from direct sunlight and excessive heat.

COVERAGE



**Actual coverage may vary from the quoted coverage due to factors such as method and condition of application and surface roughness and porosity.

DRYING TIME TO TOUCH



COLOURS AVAILABLE



200+*



*Currently available in more than 48 ready shades as per the DS Shield Colour Card and 200+ on demand.

PRODUCT DATA

Specific Gravity: 1.55 Theoretical
Solid by Volume: 35 ± 2 Volume % (Theoretical)
Viscosity: 50 - 60 CPS

TECHNICAL DATA

Dilution: 10% to 20% (Water)
Dry Film Thickness: 30 - 50 µm
Wet Film Thickness: 90 - 130 µm

DRYING TIME

● Relative Humidity (RH) 50%
40 °C 23 °C
Touch Dry: 1 Hour 3 Hours
Hard Dry: 2 Hours 6 Hours
Over Coat: 3 Hours 9 Hours

HOW TO APPLY

PRE PAINTING STEPS



PLASTER

New masonry surfaces must be allowed to cure completely. It is recommended to allow 28 days as the curing time for new masonry surfaces.



CLEANING

Surface should be free from any loose paint, dust or grease. Growths of fungus, algae or moss should be removed by wire brushing and water. In case of areas having excessive dampness use **Tac Coating's Tac Cati Protector** to limit further dampness. When the underlying surface exhibits chalkiness, in spite of thorough surface cleaning, use **Markhor's ECO/ULTRA Primer**.

APPLICATION PROCESS

APPLICATION	THINNER	DILUTION %	APPLICATION VISCOSITY ¹	RECOATING PERIOD
STEP 1 SANDING	SAND THE SURFACE WITH SAND PAPER AND WIPE CLEAN			
STEP 2 ECO/ULTRA PRIMER BRUSH / ROLLER / SPRAY	WATER	20%	20 - 35 CPS	4 - 6 HRS
STEP 3 DS SHIELD - TOP COAT BRUSH / ROLLER / ALS	WATER	10% to 20%	30 - 40 CPS	4 - 6 HRS

1. As measured through a Gravity meter, Cup and physical testing.
2. Recoat period is quoted for 25°C and 50% Relative Humidity, these may vary under different conditions.

POST PAINTING CARE

Bare / Basic Masonry Surfaces

It's the key to good-looking, long-lasting results. A properly prepared surface is clean, solid and dry, without cracks and imperfections. Base surface free from dust, dirt, grease and should be completely dry. Surfaces effected by fungus should be treated beforehand with a bleach solution. Apply **Markhor's ECO/ULTRA Primer**. When it's thoroughly dry, wipe away dust, prior to painting, allow all surfaces to dry off completely, if the alkalinity or the moisture content of the walls is high do not apply the paint.

Previously Painted Surfaces

Remove dirt, grease, soap and oil buildup with the appropriate cleaner. Rinse thoroughly. Remove loose paint and powdery substances. Apply **Markhor's ECO/ULTRA Primer**. Allow to dry, make sure to prime all bare areas prior to applying topcoat. (Avoid "spot priming," which can result in a non-uniform appearance between primed and non-primed areas).

Several Defected Surfaces

Patch holes and cracks with spackling or patching compound. Allow to dry, then sand smooth. Apply 1 coat of **Markhor's ECO/ULTRA Primer** (allow to dry a while) prior to applying topcoat.

SAFETY FEATURES

PRECAUTIONS

- Do not apply when ambient temperature is less than 10°C or if the temperature might drop to this level within 4 hours of application.
- Do not over-thin or over-extend the brush.
- Stir well and strain before use.
- Tinted paints need thorough shaking immediately after tinter addition as well as before use.
- Clean up all equipment with water immediately after use.

SAFETY FACTORS

- Make sure that products is out of reach of children and pets.
- Keep away from food and drinks.
- Product must always be stored in a cool and dry place.
- Leftover material should be sealed and stored in an area that will protect it from damage, freezing and temperatures above 95°F.
- Don't swallow it. (If swallowed, seek medical advice urgently).
- Don't breathe vapor or sanding dust.
- Avoid contact with eyes and skin. May cause allergic skin reaction.
- When applying, it is advisable to wear eye protection. in case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
- Wear protective clothing and mask during application.
- Use soap and water to clean the paint splashes from skin.
- Care must be taken during transportation.
- Always keep container in a secure upright position.
- Use sand to contain any spillage.
- Dispose of paint material in accordance with the appropriate environment International and Local regulations.
- Do not discharge into drains or environment.
- Chemical Safety Data Sheet available on request.
- Does not contain any added Lead, Mercury, Cadmium and Chromium compounds.

DISCLAIMER

- Theoretical Coverage is based on a mathematical formula.

$$\left[\frac{\text{Volume Solid \%} \times 10}{\text{Dry Film Thickness}} \right] = \text{m}^2/\text{lit}/\text{coat}$$

and does not consider LOSS FACTORS. Variables like porosity of substrate, application method, dilution ratio, dry film thickness, opacity and so on will affect the loss factor and can vary from 30% - 50% or even more. The above information is given to the best of our knowledge based on laboratory tests and practical experience. However, since we cannot anticipate or control the many conditions under which our products may be used, we can only guarantee the quality of the product itself. We reserve the right to alter the given without prior notice.