



MoyaShield Uflex

High Performance Pure Acrylic Coating

DESCRIPTION

MoyaShield Uflex is an environment friendly, single component, water based, pure acrylic co-polymer protective coating. It is a crack-bridging coating containing additives to inhibit the growth of mould and bacteria. It protects structures from aggressive elements. It is highly resistant to water penetration, yet it allows vapour to pass through it.

USES

MoyaShield Uflex is used to protect and waterproof roofs, exterior and interior walls, plasters, renders, etc. It is used as a UV resistant and anti-carbonation coating for car parks, bridges, tunnels and structures exposed to aggressive elements.

ADVANTAGES

- Excellent resistance to UV, weathering and CO
- Single component, easy to apply
- Highly flexible
- Excellent long term durability
- Can be applied to a wide range of substrates
- Reduced energy cost due to heat reflectivity
- Low maintenance costs
- Can be applied over existing systems e.g. sheet membranes, etc.
- Environment friendly, can be applied in confined areas
- Excellent build properties. Enables application to horizontal and vertical surfaces
- Available in a wide range of colours
- No solvents or fire hazard
- Resistant to foot traffic
- No dirt pick up

TYPICAL PROPERTIES at 25°C

PROPERTY	TEST METHOD	VALUE
Component	-	Single
Form	-	Liquid
Colour	-	White, other colours available on request
Solid Content	ASTM D1644	65 +/- 3%
Drying Time	-	40 - 50 mins
Recoat Time	-	Minimum 2 hrs
Full Cure	-	Minimum 7 days
Bond Strength	ASTM D4541	> 1.0 N/mm ² at 28 days
Initial Water Absorption	BS 1881-5	> 98% reduction over control
Crack Bridge Ability	ASTM C836	No crack at 3 mm width
Elongation	ASTM D412	> 400%
UV Resistance	ASTM G53	No effect or change in colour after 300 hrs (Accelerated Condition)



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SURFACE PREPARATION

Surfaces should be sound, clean, dry and free from oil or grease. Concrete and masonry surfaces should be primed / sealed with **Uflex Primer No-1**. Steel, galvanized steel, aluminum, plastic to be primed with **Uflex Primer No-2**. After applying primer, small holes, pin holes, defects, hairline cracks should be repaired by using **ReCon** range of repair materials. Primer should be allowed to dry prior to the application of the first coat of **MoyaShield Uflex**.

Special recommendations for critical areas of application:

It is recommended to use **Conmix ConTape** at all critical areas such as overlaps and j-hooks in metal roofs, intersections, corner joints, floor / wall junctions, gaps, peripheral areas of pipelines before the application. Before fixing the **Conmix ConTape**, the gaps and corners should be filled and levelled with polymer modified mortar **ReCon GP**.

MIXING

Stir the material thoroughly before applying.

APPLICATION

Prior to applying **MoyaShield Uflex**, all detailing work must be completed on seams, splits, protrusions, fixings, drains, flashings, fasteners, etc. Material should be applied by using brush, roller or airless spray at 400 microns wft per coat. **MoyaShield Uflex** should be extended to 10-15 cm over pipes, parapets, vents and fixings. The coating should be extended under flashings. On roof decks, balconies etc., **MoyaShield Uflex** may be reinforced with glass fibre mesh or other suitable material embedded into the first coat when wet. Second coat should be applied in a direction perpendicular to the first coat. All dirt, dust or contamination that falls on the coating between coats should be removed before applying the next coat. Film thickness may be checked with a wet film gauge.

The product will be touch dry in approximately 40 minutes and may be overcoated after 2 hours drying under normal conditions. This can be assessed at the time of application and is influenced by ambient temperature, humidity, airflow and type of surface treated.

LIMITATIONS

Not recommended for areas where continuous water ponding is expected and areas subjected to hydrostatic pressure.

MoyaShield Uflex should be protected from rain for a minimum period of 48 hours after application.

In high temperatures, opened containers of **MoyaShield Uflex** may skin. Remove the skin before mixing. To prevent skinning, keep the container covered during use. Diluting **MoyaShield Uflex** with water is not recommended. At temperatures below 15°C, spraying **MoyaShield Uflex** will become more difficult due to its cohesive nature.



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PACK SIZE	MoyaShield Uflex	: 20 ltr
	Uflex Primer No-1	: 20 ltr
	Uflex Primer No-2	: 20 ltr

COVERAGE	As a protective coating: 2.5 m ² /ltr/coat at 400 micron wft (200 micron dft) Minimum two coats recommended
	As waterproofing: 1.7 m ² /ltr/coat at 300 micron dft for roof, slab, flat concrete, bathrooms, etc. (Recommended 600-700 micron dft in 3-4 coats embedded with fibre mesh)

GENERAL INFORMATION	Shelf Life	12 months from date of manufacture when stored under warehouse conditions in original unopened packing. Extreme temperature / humidity may reduce shelf life.
	Cleaning	Clean all equipments and tools with water immediately after use.

HEALTH and SAFETY	PPE's	Gloves, goggles and suitable mask must be worn.
	Precautions	Contact with skin, eyes, etc. must be avoided. If swallowed seek medical attention immediately.
	Hazard	Regarded as non-hazardous for transportation.
	Disposal	Do not reuse containers. To be disposed off as per local rules and regulations.
	Additional Information	Refer MSDS. (Available on request.)

TECHNICAL SERVICE	CONMIX Technical Services are available on request for onsite support to assist in the correct use of its products.
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