



Technical Data Sheet (TDS)

FLEX SHIELD AS01

Updated Jan '22



FLEX SHIED AS01 is an innovative product designed as a liquid applied, temporarily coating for use on construction materials especially glass façade or any other non-porous substrates such as metals (ferrous and non-ferrous), plastics, glass, glazed ceramic tiles, etc... It can be applied for use under common outdoor environment and remain easily strippable after months of exposure. Its unique polymer backbone provides excellent chemical and mechanical resistance. FLEXXSHIELD AS01 is environmentally friendly and low VOC product.

Product features:

- ✓ Liquid applied.
- ✓ Especially suitable for use on glass façade.
- ✓ Easy handling and can be applied virtually anywhere.
- ✓ Applicable to all hard non-porous surfaces.
- ✓ Excellent outdoor durability and UV resistance.
- ✓ Highly flexible and high tensile strength, easy peelability.
- ✓ Low odour and low VOC.
- ✓ Environmental-friendly and green product.
- ✓ Excellent chemical and mechanical resistance.

Coating type	Suitability	Finishing	Recommended substrates	Packing size ¹
Water-based	Interior and exterior	Glossy	Glass, plastic, wood, treated and painted ferrous and non-ferrous metal, glazed ceramic, etc...	20Kg/200Kg

Composition

Binder	:	Water-based acrylic emulsion
Other ingredients	:	Mineral extenders, additives, waxes, thickener and pigments
Thinner	:	Water

Technical Data

Drying time	:	Touch dry	-	15-45 mins
	:	Hard dry	-	24-72 hrs
Recoating time	:	15-45 mins, immediately after coating touch dry (All drying time is temperature, humidity and film thickness dependant)		
Minimum film thickness	:	Wet film thickness ²	-	Minimum 200g/m ²
	:	Dry film thickness	-	Minimum 100µm
No. of coats	:	1-3 coats		
Theoretical coverage ³	:	5-6 m ² /Kg of coating @ wet film thickness of 200g/m ² (Actual coverage is dependant on substrate condition, application method, application condition and film thickness)		
Solid content	:	45±2% w/w		
Shelf life	:	Up to 12 months in tightly sealed original container		



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Application method

Roller/brush : Coating ready for use, do not dilute.
Airless spray : Use spray tip 0.15-0.17", 100-120 bar pressure. Do not dilute.

Colour availability

Standard come in transparent light blue tint. Other transparent colour tint available. Consult our representation for further details on custom colouration.

Surface preparation

Remove all dirt, dust, oil and grease, rust or oxidized layer using suitable method prior to coating application. Ensure surface is clean and dry before application.

Cleaning

Clean equipment with water immediately after use.

Safety precautions

- Keep container tightly closed at all time.
- Keep product out of reach from children and away from food and drink.
- Ensure good ventilation during application and drying.
- It is advised to wear suitable personal protection equipment (PPE) during application.
- In case of contact with eye, rinse with plenty of water immediately and seek medical advice.
- Remove splashes from skin by using soap and water.
- Always store product in cool dry place. Avoid contact with direct sunlight.
- Always keep container in a secure upright position during transportation.
- Dispose off waste in accordance with the appropriate local Environment Quality Regulations.

Note

- 1** Customized packing size available. Consult our representative for further details. T&C applies.
Always measure wet film thickness with film thickness gauge provided. Failure to achieve minimum recommended film thickness may result in difficulty in peeling off the coating after pro-longed outdoor exposure.
- 2**
- 3** Theoretical coverage is based on mathematic formula and does not consider loss factor which unable to be predicted. Variables such as application film thickness and application method may affect the loss factor can vary in range 30-50% or more.

Disclaimer

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 many other 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 above given information without prior notice.