



UNIVERSAL BITUMEN ALUMINIUM S1 REFLECTOR

PRODUCT CODE: BIT00
TECHNICAL DATA SHEET
APRIL 2024 REVISION 1

PRODUCT DESCRIPTION

Universal Bitumen Aluminium S1 Reflector is a one pack, aluminium pigmented bitumen

PRODUCT FEATURES AND BENEFITS

For exterior use on bituminous surface and torch-on waterproofing membrane

Life expectancy of at least 3 years

Easy to apply

Highly reflective

UV resistant

PRODUCT INFORMATION

Colour	Bright Aluminium
Surface Appearance	Matt
Resin Base	Bitumen
Solids Content	By volume: Approx. 51%
VOC Content	Very High – VOC content more than 50%
Spreading Rate	Theoretical Spreading Rate: 17,3 m²/litre @ 30 µm DFT Practical Spreading Rate: 9,6m²/litre @ 30 µm DFT Our spreading rate is calculated per coat on a smooth surface. This is a guide only. The rate will vary depending on the porosity and profile of the substrate. Tools used and application technique/ method will also have an impact on spreading rate.
Recommend WFT & DFT	48– 67 µm WFT depending on the surface, porosity, profile and application Method 25 – 35 µm DFT depending on the surface, porosity, profile and application Method
Pack Sizes	Available in 1ℓ, 5ℓ & 20ℓ
Storage and Packaging	Store away from direct sun, heat and severe cold Ensure the container is tightly sealed before storing. If not sealed properly and exposed to extreme temperatures, it will lead to defects such as product fouling, skinning, crystallizing and will have hard settlement.



APPLICATION DETAILS

Mixing	Stir thoroughly with a flat paddle until homogeneous
Application Conditions	Surface Temperatures at 23°C Relative Humidity <50%
Recoating Time	16-24 hours to dry before over coating
Application Methods	Brush, Roller
Thinner	Is ready for use, do not thin.
Cleaning of equipment	Mineral Turpentine

SURFACE PREPARATION

NEW SURFACES CEMENT PLASTER, CONCRETE, GYPSUM PLASTER, PRECAST, RHINOLITE, FIBRE CEMENT

The substrates must be clean, dry and sound and free of any contaminants
Remove all dust, foreign material, fungal and algae growth, which should be treated with Universal Paints Fungal Wash.

New bituminous surfaces should weather for 8 weeks before coating

Apply 2 coats Universal Bitumen Aluminium S1 Reflector allowing 16-24 hours to dry in between coats

CAUTIONS

The correct surface preparation is critical to ensure optimum performance of the paint system

Avoid painting during inclement weather

Don't wash, or wet, painted surfaces for 7 days after painting

High humidity will retard the drying and curing

Procedure to change a system from solvent to water based OR water to solvent based.

1. Sand surface slightly with fine sandpaper to break down the existing surface to a matt finish.
 2. Dust off any loose dirt contaminants.
 3. Clean the surface with soap solution.
 4. Rinse well with clean water.
 5. Allow the surface to dry completely.
 6. Apply one coat of universal undercoat.
 7. Apply two coats of the selected top coat (solvent or water based).
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SAFETY PRECAUTIONS

For detailed safety information please refer to Material Safety Data Sheet

Keep out of reach of children, flames and sparks

This product is lead free, contains very high levels of VOC

Only use in well ventilated areas and do not eat, drink or smoke whilst using this product

Empty containers are suitable for recycling. But caution must be exercised in the disposal of used containers

DISCLAIMER

Universal Paints cannot be held liable if the product fails due to improper surface preparation or application