



TECHNICAL DATA SHEET (TDS)

SOTERIA |2023



1. Product

1.1. Product Description

Soteria is an elastic and crack bridging coating, consisting of modified polymers and special additives to encapsulate asbestos containing surfaces such as roofing and insulation materials, paints, coatings, and renders.

- * High capacity to consolidate and encapsulate asbestos containing surfaces.
- * High crack bridging and elastic to ensure durable encapsulation.
- * Weather resistant
- * Resistance to chlorides and carbonation
- * VOC free
- * For both internal and external use

1.2. Product Adhesion

Soteria can adhere to the following substrates.

- 1.2.1. * Roofing materials
- 1.2.2. * Insulation materials
- 1.2.3. * Paints
- 1.2.4. * Coatings
- 1.2.5. * Renders

1.3. Product Characteristics

- 1.3.1. * Modified polymers
- 1.3.2. * Density: 1.25 kg/litre
- 1.3.3. * Colour – Grey
- 1.3.4. * Consumption: 0.35 – 1 kg/m²
- 1.3.5. * Drying time: 8-24 hours in normal conditions
- 1.3.6. * Capillary water absorption: < 0.1 kg/m² /h 0.5
- 1.3.7. * Thermal resistance: -20-+80 degree Celsius
- 1.3.8. * Elongation: > 200%
- 1.3.9. * Shock absorbance: > 25 KJ/m² (NBN EN 8256)
- 1.3.10. * Tensile Strength: +/- 1.0 MPa (NBN EN ISO 527- 3)
- 1.3.11. * Adhesion Strength: > 0.8 MPa (ISO4624 – 2002)
- 1.3.12. * Capillary absorption: < 0.1
- 1.3.13. * u-value: 4000 (EN ISO 12572 – 2001)

1.3.14. * Aging: Pass – 400h (EN ISO 16474-3:2013)

1.4 Product Packaging

1.4.1. * Tubs 20kg

1.4.2. * Pallets 30 20kg tubs – Total 600kg

1.5 Product Storage

Soteria should be stored in the dry, out of direct sunlight, between 5-20 degree Celsius. Storage for 12 months of manufacture date in original unopened packaging.

2. Application

2.1. Preparation

2.1.1. * Ensure surfaces are clean, free from loose parts, grease or other contaminants that could diminish adhesion of Soteria.

2.1.2. * If needed clean the substrate with a low-pressure device.

2.2. Application

2.2.1. * Soteria is a ready to use product, do not dilute with water or solvents.

2.2.2. * Mix the product



2.2.3. Application on corrugated roof



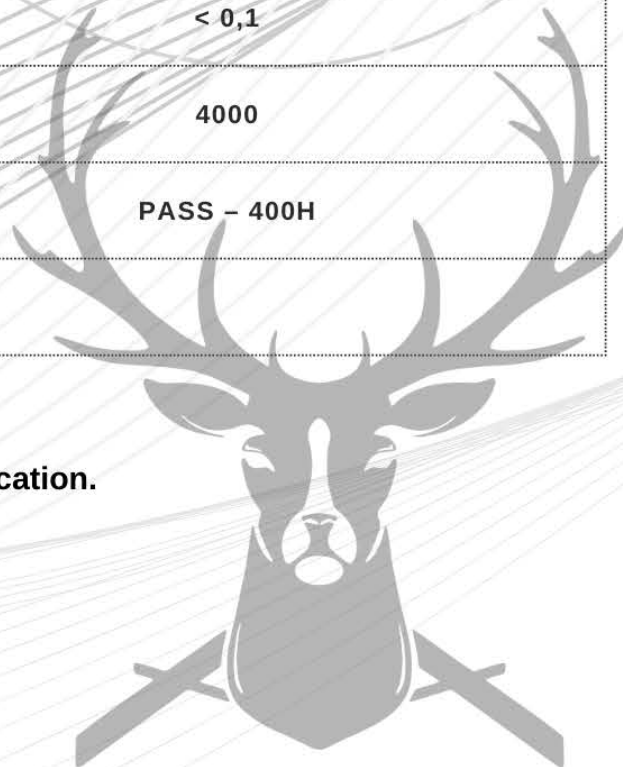
2.2.4. Completed application

3.0. Test report

PRODUCT BASIS	MODIFIED POLYMERS
DENSITY	1,25 KG/LITRE
COLOUR	GREY; OTHER COLOURS ON DEMAND
CONSUMPTION	0,35 TO 1 KG/M ²
DRYING TIME	8 Å 24 H, IN NORMAL CONDITIONS
CAPILLARY WATER ABSORPTION	< 0,1 KG/M ² /H0,5
THERMAL RESISTANCE AFTER DRYING	-20°C TO +80°C
ELONGATION NBN EN ISO 527-3)	>200%
SHOCK ABSORBANCE (NBN EN 8256)	>25 KJ /M ²
TENSILE STRENGTH (NBN EN ISO 527-3)	+/- 1,0 MPA
ADHESION STRENGTH (ISO4624 (2002))	> 0,8 MPA
CAPILLARY ABSORPTION	< 0,1
M-VALUE (EN ISO 12572 (2001)) (IND.)	4000
AGEING (EN ISO 16474-3:2013)	PASS – 400H

SAFETY- Consult the Safety Data Sheet prior to application.

Always refer to the C.O.S.H.H. sheet.



4.0. Do's and don'ts

- 4.1. Ensure clean, solid, and dust-free substrate
- 4.2. Fill holes in substrate with repair mortar
- 4.3. Do clean up any spills in the area immediately to avoid slippery surface
- 4.4. Mask any surface areas you do not want to get hit from potential overspray
- 4.5. Use advised primer as specified in the product sheet
- 4.6. Mix product before use
- 4.7. Apply in two coats
- 4.8. Check for complete and closed coverage
- 4.9. Check wet film thickness with a wet film gauge
- 4.10. Clean equipment shortly after use with water
- 4.11. Avoid contact of the applied SOTERIA membrane with water or any other liquids during drying time
- 4.12. Ensure ventilation for proper drying
- 4.13. Read the C.O.S.H.H sheet; Use appropriate PPE
- 4.14. Clean up any spills in the area immediately to avoid a slippery surface
- 4.15. Do not apply onto wet substrate
- 4.16. Do not apply on substrate with loose or flaking material
- 4.17. Do not consume SOTERIA
- 4.18. Do not dilute SOTERIA with water or solvents
- 4.19. Do not use SOTERIA as filler on gaps >5mm
- 4.20. Do not use SOTERIA if within 24 hours of application, temperatures of > 5 degrees Celsius are expected
- 4.21. Do not apply SOTERIA on bitumen or asphalt containing substrates with continuous water contact or water pressure, to cover moving cracks, nor on substrates not suitable for application of waterborne coatings
- 4.22. Do not apply on substrate where standing water is possible
- 4.23. Do not keep SOTERIA product in temperatures < 5 degrees Celsius. Store according to product instructions



5.0. DATE OF THIS EDITION: 12/01/2023

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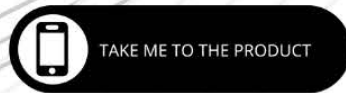


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