

TECHNICAL DATA SHEET

Version 1.3 (Updated June 2023)



iPlus 4S

(Slated Membrane (160GSM))

Slated (Mineral) Surfaced Torch Applied Bitumen Membrane

DESCRIPTION

iPlus 4S is a durable bituminous torch applied membrane, surfaced with reflective natural color slates to provide excellent resistance against UV. The slates also give protection against foot traffic. iPlus4S waterproofing membranes are manufactured by coating polymerized bitumen on to a dimensionally stable rot-proof reinforcement core of non-woven spun bond polyester fabric.

FEATURES & BENEFITS

- High puncture and fatigue resistance
- Resists water borne chemicals- increases durability
- High heat Resistance- can be used in hot climate also
- Good Flexibility- can accommodate structural movements
- Good Dimensional Stability under tension –Alignment of membrane for application made easy
- Good Mechanical Properties-high tensile and tear strength of iPlus 4S membrane ensure superior performance

TYPICAL APPLICATIONS

iPlus 4S membranes are best suitable for waterproofing of exposed roofs, balconies and terraces.

- Terraces, balconies and patios
- Exposed areas of Bridges & tunnels
- Exposed Roofs and parapet up stands
- Exposed areas of airport aprons & ramp areas

STANDARDS

iPlus 4S membranes conform to the requirements of, ASTM D6222/D6222M-16UEAtc MOAT 31-1984, and tested in accordance with UEAtc MOAT 27-1983, ASTM D 5147

PRODUCT INFORMATION

iPlus 4SA membranes conform to the requirements of ASTM D 6164 Type I & Type II, UEAtc MOAT 31-1984, and tested in accordance with UEAtc MOAT 27-1983, ASTM D 5147 & CGSB.

PACKAGING

Available in rolls, Roll size: 1.00 m (roll width) x 10.00 m (roll length)

APPEARANCE

Rolled sheet membrane, reinforced with polyester non-woven fabric, Slate finish on top surface and Polyethylene film on under side for ease of installation

COLOUR

Slate (Mineral)

SHELF LIFE

12 months from date of manufacturing if stored under standard storage conditions(see below) in original unopened packaging.

TECHNICAL PARAMETERS

Properties	Values			Test Standards
Reinforcement Polyester. (g/m ²)	160	160		-
Thickness(mm)	4.0	3.0		
Coating asphalt	Polymer modified Asphalt			-
Softening point (°C)	150±5			ASTM D-36
Penetration @25°C (dmm)	20±5			ASTM D-5
Low temperature flexibility @ 0°C	No crack			ASTM D-5147
Heat resistance @ 120°C	No flow			ASTM D-5147
Tensile strength (L/T) (N/5cm)	550/450	800/600		EN 12311-1
Elongation at Break (L/T). (%)	>35/40	>40/50		EN 12311-1
Tear resistance (L/T), (N)	>300/200	>350/250		ASTM D-5147
Resistance to Static Loading	Static - L ₂₅			UEAtc
Lap Joint strength. (N/5cm)	Same as membrane			EN 12317
Dimensional stability. (%)	<1			ASTM D-6222

All values given are subject to 5 - 15% Variation.

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