



DELTA POLYFLEX 5A

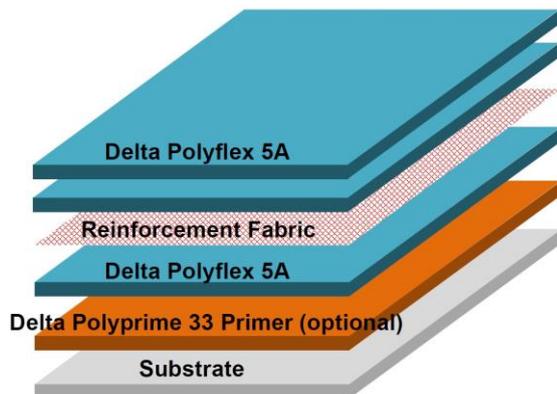
Water-Based Acrylic Emulsion Waterproofing



DESCRIPTION

A highly flexible, liquid-applied, water-based acrylic emulsion reinforced with a reinforcement fabric to provide an in situ seamless waterproofing system.

SYSTEM DESIGN



BENEFITS

- ❖ Good UV resistance.
- ❖ Flexible and elastic.
- ❖ Non-toxic.
- ❖ Capable of bridging cracks.
- ❖ Seamless.

USES

- ❖ Use in areas where a UV resistant waterproofing coating is required.
- ❖ Suitable for use in areas that allow light foot traffic.
- ❖ Typically used in all types of flashings, parapet walls, RC & metal roofs.

COLOR

Available in a range of standard colours.

FINISH

Matt

SURFACE PREPARATION

Ensure surfaces are free of all laitance, grease, oil or loose and flaking particles.

APPLICATION

For RC roof:

- ❖ First coat of Delta Polyflex 5A @ 1lit/m².
- ❖ Embed 1 layer of Delta Reinforcement Fabric.
- ❖ Second coat of Delta Polyflex 5A @ 0.6lit/m².
- ❖ Third coat of Delta Polyflex 5A @ 0.4lit/m².

For metal roof:

- ❖ Primer coat of Delta Polyprime 33 @ 0.17kg/m²
- ❖ First coat of Delta Polyflex 5A @ 1lit/m².
- ❖ Embed 1 layer of Delta Reinforcement Fabric.
- ❖ Second coat of Delta Polyflex 5A @ 0.6lit/m².
- ❖ Third coat of Delta Polyflex 5A @ 0.4lit/m².

Delta Intercontinental Pte Ltd
38 Woodlands Industrial Park E1, #06-04
Singapore 757700

Tel : +65 6219 0700 Fax: +65 6219 2822
Email : deltaintercon@singnet.com.sg
Website : www.deltaintercon.com.sg



DELTA POLYFLEX 5A

Water-Based Acrylic Emulsion Waterproofing

Mixing – Stir well using a slow speed power mixer (300-500rpm).

Tools – Applied by brush, lamb wool roller.

Recoating time – Interval between coats: 3 hours.

Verification of base polymer	Polymer which undergoes hydrolysis should not be used.	Acrylic-based material
------------------------------	--	------------------------

TECHNICAL AND APPLICATION DATA

	HDB Specification for Roof Top Application	Delta Polyflex 5A
Volatile Content, (ASTM D 1644: 1993)	< 50%	36%
Water Penetration, DIN 1048 Part 5: 1991	Depth of penetration should be 0	0mm
Adhesion-to-substrate ASTM D 4541: 1995		
a. Before aging	≥ 0.2N/mm ²	1.5N/mm ²
b. After immersion in water for 7 hours	≥ 0.2N/mm ²	1.4N/mm ²
Crack Bridging ASTM C 836:1995		
a. 2mm	No cracks	No cracks
b. 1mm	No cracks	No cracks
Hardness (Shore A) ASTM D 2240: 2000	≥ 30	65
Set-to-touch (based on 1 coat) ASTM D 1640: 1999	Should touch dry within 60 min.	45 mins

Recommended dry film thickness	1.5mm
No of coats	3 coats + reinforcement fabric
No. of components	1
Temperature resistance	55°C
Cleaner	Water



PACKAGING

20 lit/pail (23.60 kg/pail)

MAINTENANCE

Wash regularly with water, do not allow plant growth or water ponding.

Delta Intercontinental Pte Ltd
38 Woodlands Industrial Park E1, #06-04
Singapore 757700

Tel : +65 6219 0700 Fax: +65 6219 2822
Email : deltaintercon@singnet.com.sg
Website : www.deltaintercon.com.sg



DELTA POLYFLEX 5A

Water-Based Acrylic Emulsion Waterproofing

STORAGE CONDITIONS AND SHELF LIFE

All components of Delta Polyflex 5A have a shelf life of 12 months in original unopened packing, stored in dry enclosed place without exposing to direct sunlight and at temperature between 15°C to 35°C, protected from frost.

SAFETY

Product contains polymer. Do not take internally. May irritate eyes and skin. Ensure adequate ventilation avoid inhaling vapours. Always use with suitable personal protective equipment.