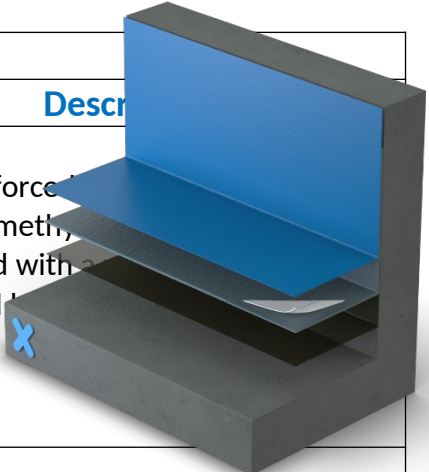


**(ANX) A17-010 WATERPROOFING AND
FINISHES**

SUMMARY OF WATERPROOFING SYSTEM

Waterproofing Systems		
Location	Systems	Description
<u>Roof</u> Area applicable relating to metal roofing, flashing, integration between metal roof and plastered wall	<u>Waterproofing Type 1</u>	Fully reinforced with Polymethyl integrated with withstand 
<u>Wall Area with Water seepage</u> Area applicable relating wall, wall interfacing with metal, wall interface with window, wall interface with RC slab	<u>Waterproofing Type 2</u>	Fully reinforced (solvent free) waterproofing system with Polymethyl liquified cementitious grout with a wearing layer to withstand high mechanical load in grouting form to be injected to seal up crack. Additional brush-on water proofing over weak point and source area with crystalline polymer
<u>RC Roof slab</u> Roof Slab exposed to sky	<u>Waterproofing Type 3</u>	Repair on scrap off the de-bonded water proofing layer. Scrapped off spalling concrete to level of non-water penetrated area (to consultant P.E verification) Apply structural non-shrink grout with cementitious water proof ad-mix to seal up spalling area. Apply bitumen-based water proofing with torch-on/ liquid modified applied to connect back to the existing water proofing layer.

WATERPROOFING TYPE 1 ,2,3

- ❖ **Primer:** to based on PMMA/equivalent for porous mineral substrate at a rate of min. 0.5kg/m².
- ❖ **Riser, points of detail, Interfacing:** waterproofing resin based on PMMA/equivalent at a rate of min. 2kg/m² + Reinforcement FLEECE (110g/m²) + min. 1kg/m² PMMA resin (fresh on fresh method)
- ❖ **Waterproofing:** waterproofing resin based on PMMA/equivalent at a rate of 2kg/m² + Reinforcement FLEECE 110g/m² + 1kg/m² PMMA/equivalent resin (fresh on fresh method)
- ❖ **Wearing layer:** hard wearing layer based on PMMA/equivalent at a rate of min. 4kg/m²
- ❖ **Finish:** coating based on PMMA/equivalent at a rate of min. 0.5kg/m²

Surface Preparation of the substrate

In all cases, substrates that do not require a primer should be degreased with approved Cleaner and roughened for mechanical adhesion.

Rigid substrates requiring a primer (raw steel deck, PVC pipes, etc.) should also be degreased with approved Cleaner and roughened before application of a suitable primer.

The substrates must be free of all dust, clean, without the presence of oils or grease.

Case of concrete substrate

The targeted substrates must be mechanically prepared by sanding, milling or shot-blasting

Substrate pre-treatment		
Substrate	Pre-treatment	Primer
Acrylic glass	Abrade with Triflex Cleaner, roughen surface	No primer
Aluminium	Abrade with Triflex Cleaner, roughen surface	No primer ⁽²⁾
Asphalt	Grind	Triflex Cryl Primer 222
Cold bitumen coating	Adhesion test	Triflex Cryl Primer 222
Composite thermal insulation systems		Triflex Pox R 100
Concrete	Grind	Triflex Cryl Primer 276
Copper	Abrade with Triflex Cleaner, roughen surface	No primer ⁽²⁾
FRP / Skylight frame	Abrade with Triflex Cleaner, roughen surface	No primer
Glass	Abrade with Triflex Glass Cleaner, adhesion test	Triflex Glass Primer
Hot bitumen coating	Adhesion test	Triflex Cryl Primer 222
Lightweight concrete		Triflex Cryl Primer 276
Mortar, resin-modified	Grind	Triflex Pox R 100
Paints	Completely grind off	See substrate
Plastic sheeting (PIB)	Roughen surface, adhesion test	On request ⁽¹⁾
Plastic sheeting (PVC-P, nB), EVA	Abrade with Triflex Cleaner	No primer
Plastic sheeting (TPO, FPO, EPDM)	Abrade with Triflex Cleaner, roughen surface, adhesion test compulsory	On request ⁽¹⁾
Plaster/masonry		Triflex Cryl Primer 276
Polymer bitumen sheeting (PY-P) mod. (APP)	Adhesion test	Triflex Cryl Primer 222
Polymer bitumen sheeting (PY-E) mod. (SBS)		No primer
PVC mouldings, rigid	Abrade with Triflex Cleaner, roughen surface	No primer
Screeds	Grind	Triflex Cryl Primer 276
Stainless steel	Abrade with Triflex Cleaner, roughen surface	No primer ⁽²⁾
Steel, galvanised	Abrade with Triflex Cleaner, roughen surface	No primer ⁽²⁾
Wood	Remove paints	Triflex Cryl Primer 276
Zinc	Abrade with Triflex Cleaner, roughen surface	No primer ⁽²⁾

⁽¹⁾ Depending on the type of sheeting, e.g., using Triflex Primer 610.

⁽²⁾ Alternative to roughening: Abrade with Triflex Cleaner, prime with Triflex Metal Primer. Loose rust and blistering rust must first be removed. Information on other substrates is available on request (technik@triflex.de).

