

WIDOPAN-Liquid Waterproofing-Systems

WIDOPAN-FD for junctions on roof-, balcony- and terrace- areas, flat roofs and concrete components

Surfaces	Pre-treatment	Primer	Comment
Roofing sheets			
Bituminized roofing sheets, such as V 100, G 200 DD, V 60 S4, smooth, gritted, sanded	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
Elastomer-bitumen sheet PYE (SBS-Roofing sheets), gritted and smooth	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
Plastomer bituminized roofing sheets PYP (APP-Roofing sheets), gritted and smooth	Liquefy surfaces of smooth sheets by flaming and spread fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
PVC- roofing sheets	Clean with WIDOPAN-Cleaner and let the vapour flash off. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
EVA/VAE-roofing sheets	Clean with WIDOPAN-Cleaner and let the vapour flash off. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
PIB - roofing sheets	Clean with WIDOPAN-Cleaner and let the vapour flash off. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	
EPDM - roofing sheets	!		Only on request and after sample testing.
ECB-, Polyolefin- / Polyethylen - roofing sheets	!		No direct connection is not possible, only to connecting plates. Please follow our special technical information.
Insulants			
Polystyrene- rigid foam (Expanded Polystyrene)	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	Only possible with lamination made from bituminized roofing sheets.
extruded Polystyrene Roofmate / Styrodur	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOPAN-Primer WIDOCRYL-Primer PM	Only possible with lamination made from bituminized roofing sheets
PUR	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	
Mineral insulation materials	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	Only possible with lamination made from bituminized roofing sheets
PIR	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	

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Metal Substrates			
Galvanised steel profiles; or-plates, plates of titanium zinc	Degrease and clean with WIDOPAN-Cleaner MEK. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Lead	Degrease and clean with WIDOPAN-Cleaner MEK. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Untreated Steel	Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. If needed, remove the rust. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Aluminium	Degrease and clean with WIDOPAN-Cleaner MEK. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Copper	Degrease and clean with WIDOPAN-Cleaner MEK. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Stainless steel	Degrease and clean with WIDOPAN-Cleaner MEK. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM or WIDOCRYL-Primer PM	
Others			
Plastics: polyester, CRF and other thermoplastics (except polyolefins)	Clean with WIDOPAN-Cleaner. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	
PVC profiles and components	Clean with WIDOPAN-Cleaner. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	

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Priming Guideline

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Cement fibreboards, Polymer modified mineral building materials	Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	
Waterproof concrete, Screed concrete	Remove the cement grout mechanically. Before application of liquid waterproofing the surface must be roughened with abrasive paper P40. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm.	WIDOCRYL-Primer PM <u>In Case of wet surfaces:</u> WIDOCRYL- Concrete Primer PM	The substrate must be dry (max. ≤ 6%), the concrete should at least have an age of 28 days.
Concrete- and chalkstones, Light weight- and gas concrete, etc.	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Primer PM <u>In Case of wet surfaces:</u> WIDOCRYL- Concrete Primer PM	In case of components with earth contact and rising moisture use WIDOPOX-Special Primer.
Acrylic glass	Clean with water and household cleaner. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	
Industrial glass areas (wire-glass) und glass bricks	Clean with WIDOPAN-Cleaner MEK. The surface must be roughened mechanically (grinding with diamond grinding disk). Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Special Primer PM	
Brick, granite, ceramic tiles, etc.	Clean with WIDOPAN-Cleaner MEK. The surface must be roughened mechanically (grinding with diamond grinding disk). Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOCRYL-Primer PM <u>In Case of wet surfaces:</u> WIDOCRYL- Concrete Primer PM	In case of rising moisture in the joints use WIDOPOX-Special Primer.
Asphalt covers	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	For strip sealing, cut underflow barrier.
Wood	Remove paints and surface coatings. Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	
OSB-Plates	Spread the fresh primer with fire-dried quartz sand, grain size 0,3 – 0,8 mm	WIDOPAN-Primer WIDOCRYL-Primer PM	

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Additional fastening may be required for junctions and edges (see Technical Rules for Roofs with Waterproofing). Otherwise, the manufacturer's regulations and all technical specifications of Widopan Produkte GmbH apply.

The Primer has to be applied over the whole area, pore- and capillary-tight as a closed film. If this is not ensured with one process, a second film with primer must be applied.

Further advices:

If needed, please don't hesitate to send us a piece of the surface as a test example. The example should have a minimum size of 30 x 50 cm. We will then determine the optimum surface pre-treatment.

The substrate must be dry (max. $\leq 6\%$), dust-free, load-bearing, free of release agents and other adhesion-reducing substances.

Before and during the application of liquid waterproofing you have to check the dew point (+3 °C) (see dew point table).
You need to protect the sealing from moisture inclusions.

Compatibility for slated talcuminated bituminous roofing sheets as well as PVC plastic roofing sheets is given. Proof of this can be requested from our company.