

CRACK BRIDGING WATERPROOFING

Crack bridging waterproofing means that the waterproofing system remains intact even though the substrate has cracked. Often, "crack bridging" is confused with "elastic". A material may be elastic but not waterproof when stretched. It may also be waterproof at first but not able to withstand water pressure.

Corners and pipe penetrations are among the areas which are considered to be at high risk of cracking. When a substrate cracks, the flanks of the crack move against each other, and stress the waterproofing layer. Even elastic waterproofing materials can reach the limits of their elasticity if the crack width becomes too great or crack movement is frequent enough.

Therefore it makes sense to take preventive measures in such areas to avoid damage to the waterproofing. When working with KÖSTER Elastic Roof, KÖSTER Glass Fibre Mesh can be embedded into the first fresh layer of the waterproofing. This ensures that the waterproofing layer is not damaged even if the substrate cracks. If the substrate cracks, the mesh will keep the waterproofing layer over the crack from tearing.

CONTACT DETAILS



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KÖSTER ELASTIC ROOF



SEAMLESS, CRACK BRIDGING WATERPROOFING FOR ROOFS

KÖSTER ELASTIC ROOF

Easy application in a few steps:



Preparation of the substrate



Installation of a concave fillet



Priming with KÖSTER Polysil® TG 500



Application of the first layer



Application of the second layer. The KÖSTER Glass Fibre Mesh is embedded between the two layers.



Finished roof waterproofing

All advantages at a glance:

- simply to apply, seamless liquid waterproofing
- crack bridging
- highly flexible and water vapor permeable
- white color reflects sunlight and heat
- solvent-free
- resistant against ageing, hydrolysis, UV-rays, frost and de-icing salts
- for dry and slightly damp substrates
- free of VOC's (Volatile Organic Compounds), free of polyurethanes, Isocyanates and bitumen
- very good adhesion to various substrates and to itself

Technical data:

- Consistency: *pasty*
- Layerthickness: *1 mm per coat*
- Color: *white*
- Waiting time between the first and second coat:
 - Without foot traffic: *3 hours*
 - With foot traffic: *12 hours*
- Breaking load (tension): *> 1 N / mm² (DIN EN 12311/A)*
- Elongation at break: *> 100 % (DIN EN 12311/A)*
- Density: *1.1 g / cm³*
- Pot Life (20° C): *ca. 45 minutes*