



Triton TWS-PU Primer

Primer for use with Triton TWS Fastcoat on metals and non-porous ceramics etc.

Description

Triton TWS-PU Primer is designed as a primer to be used with Triton TWS Fastcoat liquid applied, external waterproofing system. In most circumstances, polyurethane resins, thanks to their chemical cross linking (as opposed to air drying water-based products), provide excellent adhesion to substrates. However, the very high cohesion of these polymers may contribute to a lack of adhesion and eventual failure on difficult substrates such as metals or non-porous ceramics.

Some substrates tend to offer more resistance to adhesion than others. For example: tiles, metals, bricks, terrazzo, marble, ceramics, old/polished concrete, glass, stainless steel, old flooring, long-time cured TWS Fastcoat itself.

In these circumstances, if it is possible, it is recommended to abrade the surface slightly to roughen the substrate and promote the adhesion and compatibility between materials. Other substrates requiring primer treatment include rusted metal, old roofing felt, fibre cement sheets and wood.

Applications

Triton TWS-PU Primer allows waterproofing membranes, as well as flooring and other polyurethane coatings, to obtain high adhesion 'links' between the substrate and the coating on top, so that there is a chemical bond between both elements. Even though Triton TWS-PU Primer is a product that by itself does not offer any film formation or any mechanical properties, (so it is definitely not a product to be used on its own), it does promote coating adhesion in combination with polyurethane single component products – such as Triton TWS Fastcoat.

Technical data

Information on the product before application.

Chemical description:	Adhesion promoter additive solution
Physical State:	Liquid
Packaging:	Metal Container 4kg, 20kg
Non volatile content (%):	1
Flash Point:	12°C
Density:	0.78g/cm ³ (20°C)
Viscosity (Brookfield):	3 mPa.s
Colour:	Colourless
VOC Content:	860 g/L
Storage:	Keep between 10° and 30°C, away from heat and moisture
Use before:	Use before 9 months after manufacturing date

Application guidelines

Mixing Application:	<p>The product does not need to be stirred. Do not add any other products.</p> <p>It is recommended to abrade the surface lightly, creating some roughening if possible, before applying the Triton TWS-PU Primer. Apply by brush or roller. Sprayers are also allowed. Triton TWS-PU Primer does not give enough adhesion on unsuitable substrates. It is important to clean and remove all loose material and dirt, greases, rust and other residues. In addition, surfaces must be dry.</p> <p>Apply by wetting the entire surface and allow the solvent to evaporate. The product does not give a visible film. No colour or appearance change will be noticed after application. Do not apply an excessive amount of product (see below).</p> <p>On especially difficult substrates (e.g. asphalt) it is recommended to test the Triton TWS- PU Primer beforehand.</p>
Curing Time:	Solvent evaporation typically takes 30 minutes, depending on the local conditions.
Cleaning:	Contaminated tools should be cleaned with solvent.
Application rate:	A 4kg (5 litre) can will cover 20-26 sqm. This will vary according to substrate porosity.
Recoating:	Not necessary.
Return to Service:	Application of the following coating can be done 1 hour after the application of Triton TWS-PU Primer, but within 4 hours.

Additional advice

Make sure there are no areas left unprimed. Do not over-apply the product or the additive will become visible as haziness or small drops on the surface and adhesion will not be improved.

Safety

Triton TWS-PU Primer contains isopropyl alcohol. This is a very flammable solvent which evaporates quickly. Take all necessary precautions during handling and transport. For more detailed health and safety information please consult the relevant material safety data sheet or speak to a member of the Triton technical team.

Environmental precautions

Empty containers must be handled taking the same precautions as if they were full. Containers must be considered as hazardous waste, to be transferred to an authorised waste manager.

The information provided in this Product Data Sheet is intended for general guidance only and is given in good faith based on Triton Systems' current knowledge and experience. No warranty in respect of fitness for a purpose, or any other liability whatsoever can be inferred from the information contained within this data sheet. Users should determine the suitability of the materials for their particular application and should always refer to the most recent issue of the Product Data Sheet for the product concerned. All materials are supplied in accordance with our standard trading terms and conditions.

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