



Triton TWS-PU Primer

Description

In most circumstances, polyurethane resins, thanks to their chemical cross linking (as opposed to physical curing 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 supports tend to offer more resistance to adhesion than others:

Tiles, Metals, Bricks, Terrazzo, Marble, Ceramics, Old / polished concrete, Glass, Stainless Steel, Old flooring surfaces/

In these circumstances, if it is possible, it is recommended to scratch the surface slightly, creating some friction, and favouring 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 both in the case of waterproofing membranes as well as floorings, adhesives and other polyurethane coatings, to obtain high adhesion 'links' between the substrate and the coating on top, so that there is a chemical anchorage 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 provide extreme adherence in combination with polyurethane single component products.

Technical data

Information on the product before application.

Chemical description:	Adhesion promoter additive solution
Physical State:	Liquid
Packaging:	Metal Container 4L (3.8kg), 9L (8.8kg), 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:	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 scratch the surface lightly, creating some friction if possible, before applying the Triton TWS-PU Primer. Apply by brush or roller. Sprayers are also allowed.</p> <p>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, surface 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 takes place typically in 30 minutes, depending on the local conditions.
Cleaning:	Contaminated tools should be cleaned with solvent.
Recommended Quantities:	Scrub or spray the surface applying 50 to 100 g/m ² .
Recoating:	Not necessary.
Return to Service:	Application of the following coating can be done one hour after the application of Triton TWS-PU Primer , and up to 4 hours after.

FAQs

Question	Answer
No film formed	Normal. There is only microscopic additive layer on the surface. Make sure there are no areas left unprimed.
Too much product?	Do not apply excessive amount. If there is an excess the additive begins to be visible as a haziness or small drops on the surface. This excess does not improve adhesion properties. Remove and homogenise.
What surface can it be applied to?	All surfaces where some doubts may arise with respect to the adhesion of single component polyurethane composition. These are usually very smooth surfaces (e.g. ceramic tiles and metals). In these cases, use of this kind of primer is usually mandatory.

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. See the material safety data sheet for more detailed information.

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.

Health and safety

For full information consult the relevant material safety data sheet.

For other details and technical information please contact your Triton Systems representative.

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