

Kiilto XPU Adhesive and reinforcement sealant



The product is listed in the portal for building products that can be used in Nordic Swan Ecolabelled buildings.

A very elastic adhesive sealant for indoor and outdoor use. Ideal for wet areas. Solvent-free. Suitable to be used in conjunction with Kiilto one-component waterproofing membranes for sealing inlets. Polyurethane-enhanced.

- Provides a fast and elastic bond, excellent adhesion
- For gluing and sealing, also suitable for motorhomes and caravans
- Coverage 5 x 5 mm joint, approx. 12 m/cartridge
- Drying time 3 mm/d, approx. 10 mm/7 d
- Suitable for indoor and outdoor use

AREA OF APPLICATION

Kiilto XPU is a fast bonding, polyurethane-enhanced elastic adhesive sealant based on silyl polymer technology. Suitable for gluing and sealing of various materials (including weld lines) in structural bondings. Typical applications include truck bodies, mobile homes, buses and trains. In building Kiilto XPU is used e.g. for fixing of insulation panels, battens, washbasins and toilet seats. Suitable also to be used in conjunction with Kiilto one-component waterproofing membranes for sealing wall penetrations and for sealing Tulppa-wet room boards and inlets. Good adhesion on various stones, concrete, most metals, wood, glass and glazed surfaces as well as epoxy and polyester surfaces. With plastic and rubber preliminary adhesive tests are recommended prior to actual use. Has M1-emission classification for building products. Excellent adhesion to different materials - in most cases no need for priming. Elastic, yet mechanically strong bond. Does not contain PVC or solvents. Almost odourless. Good resistance against chemicals (weak solutions). Excellent resistance to weathering and UV-radiation. Almost non-shrinking. Paintable with most paints (test always before use). Sandable.

INSTRUCTIONS FOR USE

Materials to be used must be dust-free, dry and free from grease and oil. The best result is achieved by cleaning metal surfaces with Kiilto Cleaner 303 and then primed with Kiiltoflex Metalliprimer. The adhesive is spread on the surface and smoothed with a trowel, if needed. When gluing large uniform surfaces or surfaces in very dry conditions, we suggest light spraying with water (approx. 5–10 g/m²). Close the package carefully after use. Uncured product can be removed with Kiilto Cleaner 303 or acetone. Cured product can be removed only mechanically. Prevailing conditions such as temperature, substrate's temperature, material and humidity as well as the amount of adhesive applied have a strong impact on the skin

TYPE/BINDER	Special polymer
DENSITY/SPECIFIC WEIGHT	approx. 1.3 kg/dm ³
COLORS	white, black
LAP SHEAR STRENGTH	- SS/SS 1.3 N/mm ²
TENSILE STRENGTH	1.6 N/mm ² (DIN 53504)
ELONGATION AT BREAK	300 % (DIN 53504)
HARDNESS	Shore A 30
VISCOSITY	approx. 2 million mPas (BrookField H-Path T-F/2.5 +20 °C)
SKIN TIME	20 min (23 °C/50 % RH)
CURING THROUGH	3 mm/d, approx. 10 mm/7 d (23 °C/50 % RH)
APPLICATION TEMPERATURE	+1–+40 °C
PACKAGE SIZES	290 ml cartridge, 600 ml sausage
TEMPERATURE RESISTANCE	-40–+90 °C
STORAGE	In unopened containers at +10 – 25 °C for 18 months.



time and drying. Therefore the given values are for guidance only.

ADDITIONAL INFORMATION

The information given in this product data sheet is based on our tests and our practical knowledge. The technical data is defined in standard conditions. Variations in local working conditions will affect the product performance and result. The result is also strongly affected by working methods. We guarantee the high quality of our products according to our Quality Management System. No liability can be accepted from incorrect use of the product or prevailing conditions, over which we have no control. Thus, we cannot be held responsible for the final result. Ensure the product's suitability to the intended application.

ENVIRONMENT AND SAFETY

Avoid unnecessary skin contact and exposure with the fresh product, use safety gloves. Refer to material safety data sheet. For more information on product and package disposal, visit www.kiilto.com.