

LANKO

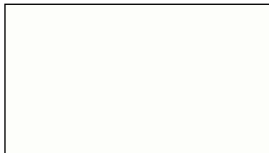


CHARACTERISTICS

- **Suitable for joints subject to movement.**
- **Highly resilient.**
- **Resistant to weathering and rust-inducing conditions.**
- **Paintable (emulsion paint).**



Grey



White

Shading of the colour samples may be somewhat different from the actual colours.

DESCRIPTION

603 POLYURETHANE is a single-component polyurethane sealant. Easy application on most materials : concrete, stone, brick, roof-tiles, ceramic tiles, aluminium, wood, glass, PVC.

USES

- Heavy and light prefabricated constructions, traditional masonry.
- Expansion joints in concrete structures.
- Bridging joints between prefabricated elements.
- Sealing joints in facades, boards, siding, metal constructions.
- Sealing joints and weatherstripping in woodwork and aluminium.
- Sealing roof-tiles and ceramic tiles.

SPECIFICATIONS

- Appearance
 - Before curing : Thixotropic paste
 - After curing : Rubber like
- Chemical type : Polyurethane
- Density : 1.17
- Tack free : 2 hours approx.
- Polymerization : 5-10 mm per 24 hours (depending on section and climatic conditions)
- Temperature resistance : 0°C to 80°C
- Elongation at break : 700%
- Hardness shore A : 25 approx.
- Modulus of elasticity at 100% : 0.30 MPa approx.
- Flowability : None

Resistance*

UV&Ozone	: Good
Water	: Good
Solvents	: Moderate
Hydrocarbons	: Moderate
Acid&Base	: Moderate

* This information is given to the best of our knowledge based on laboratory tests and practical experience. However, as the product is often used under conditions beyond our control, we cannot guarantee anything but the quality of the product itself.

Standards compliance*

- ASTM C920, Type S, Grade NS, Class 25
- TTS-S-00230C, Type II, Class A
- CAN/CGSB-19.13-M87, Class A, 2-25, MCG-N
- AFNOR NFP 85 305
- BS 6093
- DIN 18540
- JIS A 5758

WORK INSTRUCTIONS

Joint design

- Joint size may range from a minimum of 5 mm to a maximum of 50 mm width.
- Joints with are expected to experience cyclical movement should have a width to depth ratio 2:1.



COVERAGE

- One 310 ml cartridge fills a 3-m long of 1x1 cm. gap.
- One 600 ml sausage fills a 6-m long of 1x1 cm. gap.

PACKAGING

- 310 ml cartridge.
- 600 ml sausage.

STORAGE

1 year from date of manufacture if stored in unopened original packing in cool dry, frost-free conditions.

Joint preparation

- Damage must be repaired prior to application, using a mortar with 751 LANKOLATEX or 731 REPAIR MORTAR.
- Joints must be very clean, sound, dry, dust-free and without any traces of oil, laitance, paint and curing compound.
- A bond breaker such as masking tape or LANKO FONDS DE JOINTS a round polyethylene foam should be used to ensure that the joint maintains a movement and to reduce the depth of the joint to be filled.

Priming

- The excellent adhesive qualities of 603 POLYURETHANE generally make a primer unnecessary. However, if the inside joint surfaces are porous 608 PU/PS PRIMER a primer coat should be applied.

Application

- Apply using a hand or air-operated applicator gun.
- Remove the seaming at the base of the cartridge.
- Pierce the top part of the threaded end of the cartridge.
- Screw on the plastic tip and cut diagonally as required.
- Position the cartridge in the gun.
- Squeeze out one or more beads depending on the width of the joint to be filled.

Finishing

- Once the sealant has been applied a small timber spatula or finger soaked in soapy water shall be used to compact the sealant into the joints and to achieve a smooth finish.
- Any masking tape applied should be removed before the sealant cures.

PRECAUTIONS

- Temperature range for use : 5°C to 40°C.
- In all cases joints, shearing, compression and displacement should be studied in advance.
- In view of the wide range of materials available, especially porous materials (e.g. Carrara marble), a representative test should be carried out prior to application in order to ascertain the need for primer.
- Do not bring into contact with black rubber, bitumen, asphalt and solvent paints.