

Technical Data Sheet

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Article Description

Article No.

Sealing Adhesive 1K-PUR K195 400 g black	6630 6540
Sealing Adhesive 1K-PUR K195 400 g white	6630 6541
Sealing Adhesive 1K-PUR K195 400 g grey	6630 6542
Sealing Adhesive 1K-PUR K195 400 g brown	6630 6543

1. Product description:

The Sealing Adhesive 1K-PUR- K195 is an universally usable, elastic, moisture-curing one-component universal adhesive and sealant for vehicle and container construction, for various applications in construction industry and in many other areas.

2. Special characteristics:

- moisture-curing
- very low residual monomer content – no labelling acc. to GHS
- for primed and painted metals, aluminium, wood-based materials and thermosets, common mineral substrates
- can be painted over after curing
- very good adhesion without primer on many substrates
- good resistance to moisture and weather conditions
- temperature resistant from -40°C up to +90°C, short term up to +120°C

3. Examination and classification according to:

- EN 15651-1 Facade: INT / EXT 25 HM
- EN 15651-4 Joint Sealants for Pedestrian Pathways: INT / EXT 25 HM
- ISEGA Test (material is suitable for contact with food): Regulation EC No. 1935/2004 Food, Consumer Goods and Feed Code (LFGB), German Recommendation XV for health assessment of materials and objects for food contact, Federal Health Gazette 57, 1350-1351

4. Area of application:

Joint sealant for connection joints of façade elements and non-bearing joints in indoor and outdoor applications.

Dynamic bonding as well as seam and joint sealing in vehicle and container construction, metal and apparatus construction, sealing work on metal and wood constructions.

Sealing of heavily charged joints, as well as bonding of vibrating parts. Sealing of joints, cavities, overlaps, seams, beadings at car bodies.

5. Technische Daten:

Basis		1K-polyurethane
Colour		white, grey, black, brown
Sealant class		EN 15651-1: F-EXT-INT 25HM EN 15651-4: PW-EXT-INT 25HM
Reaction to fire	EN 13501-1	class E
Viscosity		pasty
Density	acc. to DIN EN ISO 1183-1	approx. 1,36 g/cm ³
Water vapour diffusion resistance no.		approx. 3.600 µ
Sd-value (for joint depth 8mm)		approx. 29m
Skin formation time	at +23°C, 50% rel. air humidity	approx. 45 min
Curing speed	at +23°C, 50% rel. air humidity	3 mm/24 Std
Volume change	DIN 52 451	6%
Shore A-hardness	ISO 868 / DIN ISO 7219	45

Elongation at break	ISO 527 / DIN 53 504	800 %
Tensile strength	ISO 527 / DIN 53 504	2,9 N/mm ²
Tear resistance	ASTM D624	12 N/mm
Shelf life	dry, between +5°C and +25°C	12 months

6. Processing instructions:

The adhesive surfaces have to be stable, clean, free of grease and oil. Adhesion and compatibility with plastic materials and paints must be checked on an object basis. It is recommended to carry out an adhesion and compatibility test before starting the work.

Joint sealing:

Please observe the dimension of the joints which must be half as deep as the joints are wide, but at least 6 mm and max. 20 mm. In order to avoid a 3-flank adhesion and the associated tension cracks, please insert a PE backfill round cord into the joint. The Sealing Adhesive 1K-PUR K195 can be smoothened with silicone smoothing agent before skin formation.

Adhesion:

The required thickness of the adhesive layer depends on the expected maximum movement absorption in the adhesive joint. Please join the parts to be bonded within the skin formation time and then fix mechanically. The curing time depends on temperature, air humidity and joint dimension.

The Sealing Adhesive 1K-PUR K195 can be painted over after skin formation. The compatibility must be checked in preliminary tests. It must also be taken into account that the curing is slowed down due to the reduced moisture penetration and that the paint affects the adhesive / sealant in its expansion which might lead to cracks in the paint and the sealing adhesive.

Please note that the Sealing Adhesive 1K-PUR K195 must not be brought in contact with isocyanate-reactive substances (especially alcohols, like e.g. in ethyl alcohol, thinner, cleaning agents) when not yet cured, as otherwise the curing reaction might be disturbed or blocked. In case of direct/indirect contact with other organic products the compatibility must be checked in preliminary tests.

Clean tools immediately after use. Cured material can only be removed mechanically.

7. Special notes:

When processing the Sealing Adhesive 1K-PUR K195 please avoid direct contact with the uncured material with your skin, please use protective gloves.

Observe the „Information sheet on the handling of PUR-paints“ by the Central Federation of Industrial Professional Associations, the central body for accident prevention.

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