

KEOL

POLYURETHANE ADHESIVE

K-PURE 538 BLACK



KEOL K-PURE 538 is an extremely fast-curing, thixotropic, two-component polyurethane adhesive that polymerizes in a few seconds at room temperature.

It is used for structural bonding of a wide variety of materials, including plastics, steel, aluminum, cement, wood, and glass.

- **THIXOTROPIC**
- **VERY FAST CURE**
- **TEMPERATURE RESISTANCE**
- **STRUCTURAL BONDING**

CHEMICAL BASIS	Polyurethane
COLOR	Black
HARDNESS	80D
VISCOSITY	40 000

PROPERTIES	Resin	Hardener	Mixed
Chemical basis	Polyol	Isocyanate	Polyurethane
Viscosity @25°C cps	2500	1500	40 000
Relative density	1,02	1,16	-
Couleur	Black	Natural	
Mixing ratio (volume) (A:B)		100 : 100	
Mixing ratio (weight) (A:B)		88 : 100	
Application temperature (°C)		+10 à +30°C	
Pot life (10g à 20°C)		30 secondes	
Gel time (10g @20°C)		2 minutes	
Complete curing (10g @20°C)		180 minutes	
Shore hardness		80D	
Service temperature		-40 à +90°C	
Storage time (months)		12	
Storage temperature (°C)		+20 à +30°C	

THE BONDING KEY !

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 PRODUCT APPLICATION

KEOL K-PURE 538 is available in two-component syringes, two-component cartridges (side-by-side or coaxial configuration), and drums of various sizes. In all cases, mixing must be carried out using a static mixer with at least 16 elements to ensure a homogeneous mixture. Fewer elements will not allow complete mixing, while more elements may accelerate the polymerization kinetics. The static mixer is for single use only. Two-component cartridges can be used with manual applicators or suitable pneumatic equipment, depending on the format and capacity of the cartridges. For continuous applications, an automatic dosing system suitable for low-viscosity materials can be used. For any specific questions, the KEOL technical department is available to advise on the choice and use of equipment requiring special conditions.

 HANDLING, STORAGE & SAFETY

The product has a shelf life of 12 months from the date of manufacture, provided it is stored in a cool, dry place at a temperature between +20°C and +30°C. Once opened, the cartridges can be used until the expiration date indicated, provided that the storage conditions are respected and that the last static mixer used remains in place on the cartridge. Before reuse, it is recommended to clean the cartridge tip to remove any polymerized residue that could obstruct the flow of the product.

 NOTE

The information, and in particular the recommendations concerning the application and KEOL products, is provided in good faith and is based on current knowledge and experience of products that have been properly stored, handled, and applied under normal conditions. KEOL cannot be held responsible for results obtained by others, as we have no control over their methods. It is up to the user to determine the suitability of the products for the specific application for all production methods mentioned in this document. It is also up to the user to take the necessary precautions as recommended to protect the establishment and persons against any risks that may arise during the handling and use of the products. KEOL cannot assume any warranties, expressed or implied, including warranties of merchantability or fitness for a particular purpose, arising from the sale or use of KEOL products. KEOL cannot be held liable for any incidental consequences or damages of any kind, including lost profits. Users should always refer to the latest edition of the technical data sheet for the product concerned. Copies of this document will be provided upon request.