

KEOL**METHACRYLATE ADHESIVE****K-META 41 M10**

41 M10 structural adhesive from the K-META range, presents unequalled performances in terms of resistance and flexibility. **K-META 41 M10** has been designed to bond a wide variety of different substrates including metals and plastics as well as composite materials for industrial applications. Its exceptional properties allow wide structural bonding while maintaining flexibility and fatigue resistance. **K-META 41 M10** has been developed to withstand the most aggressive environments and extreme temperatures. It shows unprecedented results in the face of bad weather and aging.

- EXCELLENT ENVIRONMENTAL RESISTANCE
- PERMANENT TENACITY EVEN AFTER AGING
- MINIMAL SURFACE PREPARATION
- BONDING OF METALS
- HIGH IMPACT

SETTING TIME

10 minutes

COLOR

Black

SHORE D HARDNESS

60-70

ELONGATION

100

PROPERTIES	RESIN	HARDENER
Color	White	Black
Viscosity Brookfield @23°C mPas	145000	55000
Density (20°C)	1.02	1.16
Mix ratio	10	1
Polymerization	Ambient temperature	
Mechanical properties		
Shore hardness D	60-70	
% elongation at break	100%	
Mechanical resistance MPa	19	
Tear resistant MPa	12 -13	
Tensile modulus MPa	550-750	
Processing properties		
Handling time (min)	5	
Setting time at 23°C (min)	10	
Full cure time	24 hours	
Temperature resistance	-40°C to 150°C	

LE K DES COLLES !

KEOL

METHACRYLATE ADHESIVE



SURFACE PREPARATION

Remove grease, non-adherent contamination or poorly adhering oxides from metal surfaces. Most plastics require simple cleaning before bonding. Some may require sanding for best performance.



PRODUCT APPLICATION

Optimal qualities are obtained at room temperature, between 12°C and 35°C without post-polymerization. Follow the instructions in the product's IFU or contact your KEOL representative for information regarding product use, dispensing equipment or substrate application.



PRODUCT HANDLING PRECAUTIONS

The adhesive contains methacrylate monomers and is flammable. Materials should be stored in a cool place away from heat sources. During curing, the chemical reaction causes a typical smell, please use the product in a well-ventilated area. When the two components of the adhesive are mixed, an exothermic reaction may occur and generate heat. The amount of heat depends on the mass and thickness of the mixed product. It can reach a maximum temperature of 100°C. Adhesives contain chemical materials, avoid contact with skin and eyes. In case of skin contact, wash with soap and water. In case of contact with eyes, rinse with water and consult a doctor immediately. Do not swallow and keep out of reach of children.

Read the Safety Data Sheet before handling or using this product.



STORAGE AND PACKAGING

The shelf life of **41 M10 adhesive from the K-META range** is 9 months in its original unopened packaging. The product can be stored in a closed container in a dry place at a temperature between 15°C and 30°C. Exposure to higher or lower temperatures will result in a reduction of the stated shelf life.

41 M10 adhesive from the K-META range is available in 380 ml and 490 ml cartridges, 20 liter pails or 200 liter drums. 380ml cartridges require the use of M10/21 mixers. 490ml cartridges require the use of M10/18 mixers.



NOTE

The information, and particularly the recommendations regarding application and KEOL products, are given to you in good faith and are based on current knowledge and experience of the products having been properly stored, handled and applied under normal conditions. KEOL cannot take responsibility for the results obtained by others since we have no control over their method. It is up to the user to determine the suitability of the products for the specific application for any production methods mentioned in this document. Also, it is up to the user to adopt the necessary precautions as advised for the protection of the establishment and people against any kind of risks that could arise during the handling and use of the products. or compliance for a specific reason, arising from sales or use of KEOL products. KEOL cannot assume liability for incidental consequences or damages of any kind, including lost profits. Users should always refer to the most recent edition of the technical data sheet for the product concerned. Copies of this document will be provided upon request.