

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

41 M10 adhesive from the K-META range is composed of proprietary methacrylate adhesives and offers unmatched performance in terms of strength and flexibility. These adhesives are designed for bonding a wide range of dissimilar substrates, including metals and plastics, as well as composite materials for industrial applications. The outstanding properties of **K-META 41 M10** allow for structural bonding while maintaining flexibility and fatigue resistance. **K-META 41 M10** was developed to withstand the most aggressive environments and extreme temperatures. It exhibits unprecedented results against weathering and aging.

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

SETTING TIME

10 minutes

COLOR

White

HARDNESS SHORE D

60-70

ELONGATION

100

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

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KEOL

METHACRYLATE ADHESIVE



SURFACE PREPARATION

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



APPLICATION OF THE PRODUCT

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



PRECAUTIONS FOR HANDLING THE PRODUCT

The adhesive contains methacrylate monomers and is flammable. Materials should be stored in a cool place away from heat sources. During polymerization, chemical reaction causes typical odor, please use the product in a well-ventilated area.

When the two components of the adhesive are mixed, an exothermic reaction can 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 chemicals, avoid contact with skin and eyes. In case of contact with skin, wash with soap and water. In case of contact with eyes, rinse with water and seek immediate medical attention. 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 in the stated shelf life.

41 M10 adhesive from the K-META range is available in 380ml and 490ml cartridges, 20 liter buckets or 200 liter drums.

380ml cartridges require the use of M10 / 21 mixers.

The 490 ml cartridges require the use of M10 / 18 mixers.



NOTE

The information, and particularly the recommendations regarding the application and the 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 method. production costs mentioned in this document. Also, it is up to the user to adopt the necessary precautions as recommended for the protection of the establishment and the people against any kind of risks which could arise during the handling and the use of the products. KEOL cannot assume all the guarantees mentioned or implied, including guarantees of market value. 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.