

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

- FIRE RESISTANCE: M1 / F1 / STANDARD NF F16-101 AND STMS 001
- RESISTANCE IN AGGRESSIVE ENVIRONMENTS
- TEMPERATURE RESISTANCE

41 ULTIMATE structural adhesive from the K-META range is a 100% reactive two-component. **K-META 41 ULTIMATE** glue is based on patented methacrylate technology and polymers. This new generation adhesive allows it to adhere to many substrates without primers. **K-META 41 ULTIMATE** glue offers **high adhesion**, associated with a **elongation** up to 400%. These qualities are essential to achieve structural bonds capable of **resist impacts**, of **vibrations** and at **coat**. The linear shrinkage is of the order of 1%.

SETTING TIME

13 mins

COLOR

White- Brown

HARDNESS D

45-50

ELONGATION

200

PROPERTIES	RESIN	HARDENER
Color	White	Chestnut
Dynamic viscosity (thixotropic *) (Rheometer) Not Brookfield viscosity (PA.S @ 23 ° C)	1200	50
Density (20 ° C)	0.98	1.198
Mixing ratio	1	4
Physical property		
Shore D hardness		45-50
% elongation at break		200
Handling time (min)		8
Setting time at 23 ° C (min)		13
Complete cure time		24 hours
Temperature resistance		-40 ° C to 200 ° C
Mechanical properties of the assembly - Shear tensile stress (Mpa) according to standard NF1465 on: (1Mpa = 145.0 psi -)		
Aluminum 6060		13.0 Cohesive Rupture
Steel		13.0 Cohesive Rupture

KEOL

METHACRYLATE ADHESIVE



APPLICATION OF THE PRODUCT

Specially developed for bonding application of adhesives without primer:

- Glass
- Metals such as aluminum, steel and all types of alloys ...
- Technical plastics such as ABS, acrylics, PVC, polycarbonates, etc.
- Glass / resin laminates; polyester, (including DCPD), vinyl ester, epoxy, with or without gel coat, as well as SMC / BMC and epoxy prepreg.
- Soft or hard woods such as teak.



STORAGE OF THE PRODUCT

Expiration date: 6 months in its original, unopened packaging at a temperature not exceeding 20 ° C.



PRECAUTIONS FOR HANDLING THE PRODUCT

The optimum qualities are obtained at room temperature, between 12 and 35 ° C without post-curing. During polymerization, the chemical reaction gives of a characteristic odor. However, the vapors are harmless. Work in a ventilated room. Product irritating to the skin and eyes, avoid direct contact. Hazardous products if swallowed.



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.