

## Technical Data Sheet

### Vi-Pro® MMA 2K HIGH PERFORMANCE ADHESIVE

Version: 1-EN

Date: 01.08.2024

#### Vi-Pro® MMA 2K HIGH PERFORMANCE ADHESIVE

#### Product description:

Vi-Pro® MMA 2K HIGH PERFORMANCE ADHESIVE is a high strength, fast curing two-part structural adhesive system, designed to offer high impact strength and fatigue endurance. On application, the grade's high viscosity is ideal for both gap filling and vertical surface applications, whilst also providing a degree of flexibility. For the bonding of, inter alia, Thermoplastics, but also excellent adhesion to Composites, and many metals, in most cases, without a primer.

Physical Appearance	
<b>Adhesive Part A</b>	
Chemical Type	Methyl Methacrylate
Color	off white paste
Density	approx. 0,96 g/cm <sup>3</sup>
Viscosity @20°C mPa·s Brookfield	100.000 to 125.000
<b>Activator Part B</b>	
Color	black
Density	approx. 1,07 g/cm <sup>3</sup>
Viscosity @20°C mPa·s Brookfield	50.000 to 70.000
<b>Mixture A&amp;B</b>	
Color	black thixotropic gel
Mix ratio by volume	10:1
Processing time	4 to 6 minutes
Fixture time	15 to 18 minutes
Functional cure	1-3 hours
Shelf life 20°C	12 months
<b>Typical properties cured material</b>	
Tensile strength	22 - 25 MPa
Elastic properties	up to 140%
Shore Hardness ASTM D 2240	74

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Gap filling	up to 10 mm
Temperature resistance	-50°C to +150°C
The values are average values. They serve merely for your information, but assume no warranty.	

**Suitable substrates**

Carbon Steel, Styrene, Steel Gelcoats, Polyesters, FRP, Nylon, PPO, FRT, ABS, Wood, Aluminium, PBT, Stainless Steel, Fibreglass etc.

**Chemical resistance**

Excellent resistant to

- Hydrocarbons
- Acids and Bases (3-10ph)
- Salt Solutions

**Recommended application conditions**

The bonding surfaces must be clean, oil and grease free (e.g. with Vi-Pro® Easy to Clean). Excellent results are obtained by a mechanical roughening of the adhesion surfaces. Insert the cartridge into the dispensing gun and then close. Twist off cap, attach and tighten the mixing nozzle. Push the material out with the dispensing gun and discard the first 2 g, as they are not yet mixed at 1:1. Setting time can be curtailed at high temperatures. Join work pieces together and fix. Store opened cartridge in a cool, dry place.

**Packaging**

Vi-Pro® MMA 2K HIGH PERFORMANCE ADHESIVE is available in dual cartridges 490g. In one box there is 16 pieces of 490g each.

**Safety precautions:**

Material Safety Data Sheets are available on demand. MSDS are provided to help customers satisfy their own handling, safety and disposal needs and those that may be required by locally applicable health and safety regulations. MSDS are updated regularly, therefore, please request and review the most current MSDS before handling or using any product. Never burn away.

**Customer notice:**

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The information supplied is accurate to the best of our knowledge and is based on reliable tests and practical experiences. Properties quoted are intended, as a guide and do not therefore constitute a specification. Customer/user should thoroughly test any application to be sure that product corresponds to the required performances. The sole warranty is that the product will meet the sales specifications in effect at the time of shipment. Exclusive remedy for breach of such warranty is limited to refund of purchase price or replacement of any product shown to be other than as warranted. The Seller shall not be liable for any incidental or consequential damages.

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