

PRP22

TWO-PART METHACRYLATE ADHESIVE

- Excellent shear, peel and impact strength over a wide temperature range
- Non sagging thixotropic formulation
- Will fill gaps of up to 5 mm
- Over paintable
- Resistant to weathering and humidity
- Room temperature cured with short open time
- No surface preparation 100% reactive
- Very good UV-resistance and excellent ageing properties
- Isocyanate-, phthalates-, solvent-, PVC- and silicone free.



Notice

All information including images are given with the greatest care. Still, it is appropriate to users regardless of the test the suitability of each product for their own purposes. Tech-Masters is not liable for the completeness and accuracy of information and refuses warranty for your specific use. The guarantee, which Tech-Masters products provide, relates only to the standard conditions of sale of this product. In no case Tech-Masters can be held responsible for incidental damages, or damages for improper use or sale of the product to another customer.

POWER REPAIR 22

General Information

POWER-REPAIR 22 is a two-part methacrylate adhesive designed for structural bonding of thermoplastic, metal and composite assemblies. POWER-REPAIR 22 is Isocyanate-, phthalates-, solvent-, PVC- and silicone free. POWER REPAIR 22 can be over-painted with most types of lacquers.

Combined at a 1:1 ratio, it has a working time of approx. 10 - 15 minutes and achieves 75% of ultimate strength in approx. 35 minutes at room temperature (23°C).

POWER-REPAIR 22 offers a combination of high strength and stiffness as well as the ability to bond a wide range of materials.

Technical Information

ADHESIVE:
 Form: liquid
 Colour: off-white
 Odour: characteristic
 Flash point (closed cup): -18°C - 23°C
 Relative density: 1 - 1,03
 Viscosity (at 40°C): > 40mm²/s

UV- and weather resistance: Excellent
 Grit blasted steel to grit blasted steel - 100% strength retained.
 Shelf life: 12 months from date of manufacture can be expected when stored at room temperature 23°C in in the originally sealed cartridge
 Storage: All adhesives should be stored unopened in a cool, dry place (between 5°C and 25°C) when not used for a long period of time. This product should never be frozen!

AKTIVATOR:
 Form: liquid 20°C
 Colour: off-white
 Odour: characteristic
 Flash point (closed cup): 10°C
 Density: 0,95 - 1,01 g/ml
 Viscosity (at 40°C): > 40mm²/s

Application and Use

- The surfaces to be bonded should be clean, dry and free from dust and grease.
 Application temperature: Between 15 °C and 25° C.
 In case of doubt of the substrate that must be bonded, test the strength on a small sample of the substrate.
- Mixing:
 Mixing Ratio: 1:1
 Connect the mixertip to the cartridge and press out 2 cm (do not use) to be sure that you have a 100% mixture of the 2 components.
PLEASE NOTE: Once the product cures in the nozzle it has to be thrown away and a new nozzle used.

- Assembling:
 Open time approx. 10 - 15 minutes @ 23°C.
 After applying the adhesive, assembly the parts (within open time) and immediately clamp or press.
 Movement of the part after the working time has expired can result in bond strengths lower than normal. Ensure that the assembly remains undisturbed until fixture has occurred.
- Curing:
 Curing time: approx. 35 minutes @ 23°C.
 Complete curing: 24 hours @ 23°C.
 Temperatures higher or lower than 23°C will have influence on the open time and curing time.
 The viscosity's of Parts A and B of this adhesive are affected by temperature.

Article nr	Name	Content	Shelf Life	Catalog
T911222	Power Repair 22 creme 50ml	50ml	see imprint + 12 months	ADHESIVES AND SEALANTS
Y911303	Mixer Tip 50ml blue	10pcs.	-	TOOLS
Y911600	Reinforcement Tissue 12x360cm	1pc.	-	TOOLS
Y911601	Contouring Tissue 12x360cm	1pc.	-	TOOLS

