



MD PU PROTECT

07.10.2024

Reduction of dangerous ingredients!

Chemical description	2-component PUR based on HDI and polyols	
Color	Black	
Density @ +23°C/50% rh	Component A: 1,28 g/cm³ Component B: 1,23 g/cm³	
Viscosity @ +23°C/50% rh	ca. 55.000 mPa.s	
Temperature resistance	from -40°C to +120°C, short term to +150°C	
Shore hardness (D) - DIN 53505 at +23°C/50% rh	65	
Working temperature (material)	from +17°C to +25°C	
Working temperature (workplace)	from +5°C to +30°C	
Pot life	approx. 90 sec	
Hand strength	approx. 5 min	
Tack free time +23°C	approx. 3 min	
Further processing time +23°C	approx 30 min	
Curing time	approx. 4 hours	
Full curing time +23°C	approx. 24 hours	
Tensile strength - DIN 53504:	>30 MPa	
Elongation/elasticity	approx. 2-3 %	
Maximum gap	approx. 5 mm	
Change in volume	< 1 %	
Tensile shear strength - DIN 54459	Steel/Steel	approx. 7,4 N/mm²
	AL/AL	approx. 8,2 N/mm²
	ABS/PVC	approx. 3,7 N/mm²
	GRP/GRP	approx. 8,4 N/mm²
Shelf conditions	No direct sunlight, cool and dry	
Shelf life	12 months	
The data are mean values. They are for your information, but assume no warranty claims.		

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The information in this product has been compiled to the best of our knowledge and is intended purely for information purposes. No claims can be inferred therefrom. Before use, thorough experiments should be carried out. Our brochure represents a basis. Responsibility for possible measures to protect property and persons lies with the user. Safety data sheets on the required standard are available for all products on request.



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Properties	
<ul style="list-style-type: none"> ○ the mixture ratio is controlled automatically ○ many materials bonded in a very short time ○ extremely high strengths ○ solvent-free 	<ul style="list-style-type: none"> ○ paintable ○ resistant to many media ○ weathering and aging
Applications	
<p>For structural or cosmetic repair of plastic-bumpers, fenders, spoilers, lamp-housings, radiators etc. in the automotive- and other industries where quick cure time on almost any type of plastic material is needed. Also bonds to wood, metal, plastic, fiberglass, ceramic and substrates.</p>	
Processing information (25 g)	Processing information (50 g)
<p>The bonding surfaces must be clean, oil and grease free (e.g. with Marston Cleaner). Excellent results are obtained by a mechanical roughening of the adhesion surfaces. 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.</p>	<p>As with the 25 g cartridge, in addition: 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.</p>
RoHS conform	
Packaging	Item number
10 dual syringes á 25 g	MPU.P.S25
12 double cartridges á 50 g	MPU.P.S50

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