

POWER WELD

TRANSPARENT

PROPERTIES

Power Weld Transparent is a transparent, low-odor acrylic adhesive with medium viscosity. The mixing ratio is 1:1. With Power Weld Transparent bonding of glass and plastics can be made. Power Weld Transparent is shock and vibration resistant.

- Power Weld Transparent is a low odour, clear Acrylic adhesive with medium viscosity
- Power Weld Transparent combines the speed of the faster methacrylates with toughness, to enable bonding of similar and dissimilar materials, which include most plastics.
- Shock- and vibration-proof
- Power Weld Transparent is not UV resistant

PROCESSING INFORMATION:

25ml

The bonding surfaces must be clean, oil and grease free. 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.

50ml

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.

ITEM-NO.	DESCRIPTION	SIZE
POW2440	Power Weld 2K MMA transparent	25ml (PU 14 dual springes)
POW5040	Power Weld 2K MMA transparent	50ml (PU 12 double cartridges)

TYPICAL BONDING PROPERTIES - TEST METHOD ASTM D1002

Steel	Cohesive Failure	<21N/mm ²
Aluminium	Substrate Failure	<18N/mm ²
PMMA	Coh Failure	<5N/mm ²
PVC	Coh Failure	<5N/mm ²
ABS	Sub/Coh Failure	<5,3N/mm ²
Epoxy	Adhesive Failure	10N/mm ²
Phenolics	Sub/Coh Failure	<7N/mm ²
PDCPD	Adhesive Failure	<10N/mm ²
Polycarbonat	Adhesive Failure	<4N/mm ²

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UNCURED PROPERTIES	DATA
Resin (A)	Methacrylate Blend
Hardener (B)	Amine accelerated resin
Viscosity (A)	approx. 90.000 mPa.s
Viscosity (B)	approx. 10.000 mPa.s
Density (A)	1,01 g/ml
Density (B)	0,99 g/ml
Mix ratio	1:1
Shore hardness D	55
Shelf life (Optimal storage temperature 15-25 ° C)	9 months
Pot life	Ca. 45-90 sec.
Fixture time	3 minutes
Final curing	24 hours
Temperature resistance	-50°C to +120°C

CURED PROPERTIES	DATA
color	transparent
Gap filling	3 mm
Tensile elongation	8 %
Lap shear strength	21 MPa

The values are average values. They serve merely for your information but assume no warranty.

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.