

Description:

epple-easy 5610-new is a two-component, solvent free adhesive on the basis of epoxy.

Application:

This adhesive is particularly suitable for the bonding of metals among each other, as well as for the bonding of metal with plastic. In cured condition it still provides high elasticity.

Specific properties:

epple-easy 5610-new is being applied by means of a dual cartridge, so that manual mixing - in particular with small quantities - is not necessary. With larger quantities, the product can also be applied by means of a dispenser.

Type of mixer:

mini (40 ml): MX 5.4-17-S.
maxi (400 ml): MCA 12-24

Cartridge gun:

Gun mini DMA 50 with tappet PLA 050-04
Gun maxi DM 400

Application / Surface:

- The surface has to be clean and free from dust and grease.
- The assembly components need to be fixed appropriately until tangibility is reached.
- For further information, regarding the use of the double cartridges, please see our application instructions for epple-easy on our website www.epple-chemie.de under "equipment and accessories".

Cleaning of tools:

Thinner 11

Packaging:

Cartridge

Basis / Characteristics

Components		Solvent-			Chemical Basis					
1-comp.	2-comp.	free	containing	aqueous	EP	PU	Acrylate	Chloroprene	Polyvinylacetate	Terpolymer

Properties of the liquid adhesive

Property	Component A	Component B	Following to standard
Viscosity	35 – 50 Pas	8 – 15 Pas	DIN EN ISO 3219
Viscosity of mixture	30 – 45 Pas		DIN EN ISO 3219
Density	1.1 – 1.2 g/cm ³ / 20 °C	1.1 – 1.2 g/cm ³ / 20 °C	DIN 53479
Mixing rate	80 parts by weight 4 parts by volume	20 parts by weight 1 parts by volume	gravimetric volumetric
Colour of mixture	grey		-
Loss on drying up to 140 °C	-		
Pot life	20 – 35 min		DIN VDE 0291–2
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 5 – 30 °C.		

Diese Druckschrift soll Sie beraten. Die darin gemachten Angaben entsprechen unserem besten Wissen, jedoch kann eine Verbindlichkeit daraus nicht hergeleitet werden.

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Properties of the cured adhesive

Property	Value	Following to standard
Curing Ventilation time Time to handling strength	none about 4 h	-
Curing conditions / Contact pressure	>5 °C no contact pressure required, just fixing	-
Hardness (after 7 days at 20 °C) Shore-A Shore-D Pendulum hardness / König	>90 67 – 77 -	DIN 53505 DIN 53505 DIN 53157
Adhesive strength in the tensile shear test (after 7 days at ambient) Steel / steel (blasted SA 2,5)	14.0 N/mm ²	DIN EN 1465
Surface adhesion	-	-
Temperature resistance (after 7 day at 20 °C)	-20 °C to +80 °C	-
Absorption of water 20 °C / 7 days	0.5 – 1.5 %	ISO 62
Chemical resistance (after 7 days; max. 3 months)	water grease diluted alkali (5 %) short-time: fuel	epple-standard

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