

### Description:

**epple 5602-new** is a two-component adhesive on the basis of epoxy and aminic hardeners. It is characterised by its medium viscosity and a long pot life. **epple 5602-new** provides particular high adhesive strength to various metals, plastics and ceramics. The adhesive joint remains elastic.

### Application:

**epple 5602-new** is applied where particular high adhesive strength for the bonding of metals is required and where the adhesive joints will subsequently be exposed to high-frequency mechanical stresses. It is thus suitable for the bonding of vibration dampers, damping suspensions etc.

### Specific properties:

**epple 5602-new** can be applied by means of common batchers. Both static and dynamic blenders are appropriate.

### Type of mixer:

Mini (40 ml):  
Maxi (400 ml):

### 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.
- Decant component B into the tin of component A. Mix the two components thoroughly and homogeneously. Eventually, fill over the mixture into another, clean container and stir the material again.
- The assembly components need to be fixed appropriately until tangibility is reached.

### Cleaning of tools:

Thinner 11

### Packaging:

metal tin

### Basis / Characteristics

Components		Solvent-			Chemical Basis					
1-comp.	2-comp.	free	containing	aqueous	EP	PU	Acrylate	Chloro-prene	Polyvinyl-acetate	Terpolymer

### Properties of the liquid adhesive

Property	Component A	Component B	Following to standard
Viscosity	80-110 Pas	55-80 Pas	DIN EN ISO 3219
Viscosity of mixture	70-110 Pas		DIN EN ISO 3219
Density	1.2-1.4 g/cm <sup>3</sup> / 20°C	0.9-1.1 g/cm <sup>3</sup> / 20°C	DIN 53479
Mixing rate	75 parts by weight 70 parts by volume	25 parts by weight 30 parts by volume	gravimetric volumetric
Colour of mixture	grey		-
Loss on drying up to 140°C	-		
Pot life	90-150 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. Stir-up before use.		

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

This data sheet is for your information. The data supplied are according to the best of our knowledge and no liability can be inferred from them.

### Properties of the cured adhesive

Property	Value	Following to standard
<b>Curing (depends on volume and T)</b> Ventilation time Time to handling strength Time to final strength	- 5 h 5 d	-
<b>Curing conditions / Contact pressure</b>	> 5°C / fixed it until tangibility is reached	-
<b>Hardness (after 7 days at 20°C)</b> Shore-A Shore-D Pendulum hardness / König	- 65-75 80-110 s	DIN 53505 DIN 53505 DIN 53157
<b>Adhesive strength in the tensile shear test (after 7 days at ambient)</b> Steel / steel (blasted SA2,5)	14 N/mm <sup>2</sup>	DIN EN 1465
<b>Surface adhesion</b>	none	-
<b>Temperature resistance</b>	-20°C to +120°C	-
<b>Absorption of water</b> 20 ° C / 7 days	0.55-0.65 %	ISO 62
<b>Chemical resistance</b> (after 7 days; max. 3 months)	ATF-oils, grease water  short term: fuels diluted acids	epple-standard

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

This data sheet is for your information. The data supplied are according to the best of our knowledge and no liability can be inferred from them.