

## 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.

## 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, pail

## 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	80 - 110 Pas	40 - 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.		

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### Properties of the cured adhesive

Property	Value	Following to standard
<b>Curing</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</b> (after 7 days at 20°C) 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</b> (after 7 days at 20 °C) Steel / steel (blasted SA 2,5)	14 N/mm <sup>2</sup>	DIN EN 1465
<b>Surface adhesion</b>	none	-
<b>Temperature resistance</b> (after 7 days at 20 °C)	-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

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