

Description:

epple 5701 is a two-component adhesive on the basis of polyurethane. It is of medium viscosity and long pot-life. **epple 5701** provides particularly good bonding to metals and plastics and results into an elastic and flexible glued joint.

Application:

Thanks to its wide bonding spectrum, **epple 5701** offers a wide range of application possibilities. It is particularly used where metals are to be bonded elastically to other metals or to plastics.

Specific properties:

epple 5701 can be applied by means of common batchers, whereas both static and dynamic blenders can be used.

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:

Tin, bottle, 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	27 – 35 Pas	0.1 – 0.2 Pas	DIN EN ISO 3219
Viscosity of mixture	9 – 13 Pas		DIN EN ISO 3219
Density	1.2 – 1.3 g/cm ³ / 20 °C	1.2 – 1.3 g/cm ³ / 20 °C	DIN 53479
Mixing rate	75 parts by weight 75 parts by volume	25 parts by weight 25 parts by volume	gravimetric volumetric
Colour of mixture	grey, brown		-
Loss on drying up to 140 °C	0 %		
Pot life	35 – 50 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. Please 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.

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Properties of the cured adhesive

Property	Value	Following to standard
Curing Ventilation time Time to handling strength Time to final strength	none 3 h 24 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	>95 51 – 61 15 – 35 s	DIN 53505 DIN 53505 DIN 53157
Adhesive strength in the tensile shear test (after 7 days at 20 °C) Steel / steel (blasted SA 2,5)	13 – 15 N/mm ²	DIN EN 1465
Surface adhesion	none	-
Temperature resistance (after 7 days at 20 °C)	-25 °C to +100 °C	-
Absorption of water 20 °C / 7 days	0.1 – 0.3 %	ISO 62
Chemical resistance (after 7 days; max. 3 months)	water diluted acids oils ATF-oil fuels (short term) grease	epple-standard

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