Technical Data Sheet
Sealant epple 46-new / V1 / grey

Stand: 04-2021

Description:

epple 46-new / V1 / grey is an one-component, solvent-free sealing compound on the basis of an aqueous polyacrylate dispersion.
It provides excellent elasticity at coeval high temperature resistance. This sealant is stable, so that it can also be applied in vertical tracks.

Field of application:

Sealing of seams and joints.

epple 46-new / V1 / grey is particularly suitable for joints subject to heavy vibration or alternating temperature load. It is mainly used as sealant for the joints between the cassette elements in the construction of enamelling lines, as well as in ventilation engineering and in air-conditioning technology. **epple 46-new / V1 / grey** is furthermore applicable as sealant for housings in mechanical engineering and for the interior fitting of production facilities

Specific properties:

epple 46-new / V1 / grey is silicone-free and compatible with lacquers.
Acc. to test report no. 4.5 / B61 / 2018 of the OMPG / Rudolstadt, **epple 46-new / V1 / grey** is suitable for the application in HVAC-facilities in accordance with DIN EN ISO 846:1997, as it does not serve as nutrient for microorganisms.

Application / Surface:

- The surfaces of the assembly components have to be clean and free from dust and grease.
- The skin formation time at ambient is of 15 – 30 min.
- With higher temperatures it is recommended to slowly heat up the material after drying.

Cleaning of tools:

In liquid condition with water, in cured condition with thinner 11.

Packaging unit:

Cartridge

Basis / characteristics

Components		Solvent-			Chemical Basis					
1C	2C	**free**	containing	**aqueous**	EP	PU	**Acrylate**	Chloro-prene	Polyvinyl-acetate	

E. EPPLE & CO. GMBH
Dichtstoffe // Klebestoffe // Gießharze // Lohnfertigungen
Sealants // Adhesives // Cast Resins // Job order manufacturing
Hertzstraße 8
D - 71083 Herrenberg - Germany

Tel. +49 (0)7032/9771-0
Fax +49 (0)7032/9771-50
E-Mail info@epple-chemie.de
Web www.epple-chemie.de

Technical Data Sheet
Sealant epple 46-new / V1 / grey

Stand: 04-2021

Properties of the liquid sealing compound		
Property	**Value**	**In accordance with standard**
Viscosity	60 – 110 Pas	DIN EN ISO 3219
Density	1.3 – 1.4 g/cm³ / 20 °C	DIN 53479
Colour	grey	
Solid content	~ 75 %	
Storage	12 months in closed original containers, stored in a dry and cool but frost-free place. Ideal storage temperature: 10 – 30 °C.	

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.

Technical Data Sheet
Sealant epple 46-new / V1 / grey

Stand: 04-2021

Properties of the cured sealing compound		
Property	**Value**	**In accordance with standard**
Curing Ventilation time Skin formation time Curing / track 4-6 mm	 none 15 – 30 min 24 h at 20 °C	
Curing conditions / Contact pressure	> 10 °C / no contact pressure required, just fixing	
Hardness (after 7 days at 20 °C) Shore-A Shore-D	 - -	 DIN 53505 DIN 53505
Adhesive strength in tensile shear test (after 7 days at 20 °C) Steel / Steel (blasted SA 2,5)	 0.5 – 1.5 N/mm^2	 DIN EN 1465
Surface cleavability (after curing)	 none	
Temperature resistance (after 7 days at 20 °C)	-10 °C to +180 °C (slow heating recommended)	
Chemical resistance (after 7 days; max. 3 months)	alcohols (short-term) antifreeze agents testing oils water	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.