

WINKEL PRO 4W01 SUPERGLUE LL

CYANOACRYLATE ADHESIVES



Technical Bulletin

Description / Uses

WINKEL PRO 4W01 SUPERGLUE Long Life superglues are developed for specific applications and are used where universal superglues do not provide an optimal result. WINKEL PRO 4W01 superglues are available in several viscosities and speeds and because of that, individual adaptations are possible to specific requirements.

- Higher stability
- Increased moisture resistance
- Stable on paper and cardboard – no soaking
- Clean and almost invisible bonding
- Fast hardening in 1 – 3 seconds
- For absorbent materials, leather, cardboard, cork, wood, foam, plastic, elastomers and metal

Technical properties uncured product

Chemical base	Ethyl-2-cyanocrylate monomer
Colour:	transparent
Viscosity ¹⁾ [mPas]:	80-130
Density ²⁾ [g/ml]:	1,04-1,06
Flashpoint ³⁾ [°C]:	+87
Application temperature [°C]:	optimal at +23

1) At 25 °C, Brookfield viscometer

2) Measured according to DIN 53217, part 2 density sphere model 475/III

3) Measured according to DIN 51755

Cured*

Fixing time (joined):

NBR rubber [s]:	1-3
Stainless steel [s]:	15-30
Final strength [h]:	24

Technical properties hardened product

Tensile shear strength ¹⁾ [N/m ²]:	15-25
Service temperature range [°C]:	-10 to +40
Temperature range [°C]:	-40 to +85
Optimal gap:	Zero gap
Solubility:	DMF, Acetone, Acetonitrile

1) Stainless steel 1.4301; ASTM D 1002

Storage & Durability

The shelf life is, at the optimum storage temperature of +2 °C to +10 °C in the closed original container, a maximum of 18 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below +2 °C. Protect the product from direct sunlight or heat, frost and humidity.

Application

The metal surfaces to be repaired must be free from oil, grease, dirt or other contaminants. The substrate pretreatment influences the quality of the repair. Use the degreaser product WINKEL PRO FAST CLEANER. Then completely fill in the gap between the two parts with the product, then assemble the parts and close them completely. Do not move after the start of the curing process. Before use, allow the product to cure completely for 24 hours. Before using the product, please refer to the safety data sheet. There are differences in the pretreatment for each surface to be repaired. Please feel free to contact us for application questions.

Art. Nr. : Packaging:
20105 20 g

IMPORTANT NOTICE: This information is presented to assist the user in determining whether our products are suitable for his intended application and user assumes all risks and liability whatsoever in connection therewith. No warranty or representation express or implied, shall apply to these products. Seller's only obligation shall be to replace quantity of this product which has proven to not substantially comply with the data presented Manufacturer's latest bulletin. Seller shall not be liable for any property loss or damage, direct or consequential, arising out of the use of or the inability to use the product. No protection from any law or patent is to be inferred and all patent rights are reserved. See Material Safety Data Sheet.