

WINKEL PRO 6W20

HIGH STRENGTH RETAINING COMPOUND



Technical Bulletin

For fixture of bearings, shucks and bushings in their delivered condition without cleaning, e.g. ball bearings or oil-impregnated, sinter bronze sockets. WINKEL PRO 6W20 HIGH STRENGTH RETAINING COMPOUND is particularly suitable for passive materials and for applications with maximum resistance against hot oil. Seals and locks all types of retaining compounds and develops a very high resistance to disassembly. The product is characterized by an increased oil tolerance. The product curing (polymerisation) is carried out under the exclusion of atmospheric oxygen (anaerobic) and the catalytic action of the metal (metal contact).

Technical properties uncured product

Chemical base:	Methacrylate, anaerobic resin
Colour:	green, fluorescent
Viscosity ¹⁾ [mPas]:	5.000-10.000
Density ²⁾ [g/ml]:	1,04-1,08
Max. clearance:	M50 (R 2")
Flashpoint ³⁾ [°C]:	> +100
Application temperature [°C]:	optimal at +23

1) At 25°C, Brookfield viscometer

2) Measured according to DIN 53217, part 2 density sphere model 475/111

3) Measured according to DIN 51755

Technical properties hardened product

Breakaway torque [Nm]:	> 23
Prevailing torque [Nm]:	20-35
Temperature range [°C]:	-55
Max. gap filling [mm]:	0,15

Cured*

Handling cure time [min]:	< 20
Functional cure time [h]:	3-6
Final strength after [h]:	9-18

Storage & Durability

The shelf life is, at the optimum storage temperature of +5°C to +23°C in the closed original container, a maximum of 12 months. A higher storage temperature leads to a significantly lower durability. The storage temperature must not fall below +5°C.

Information about application

This product is not suitable for metal-plastic couplings and oxygen facilities as well as for the sealing of basic products or systems with strong oxidizing acids. Use only on standard metal threads. Surface must be clean and free of grease. For this, use degreaser agent WINKEL PRO FAST CLEANER. Apply product to fill the gap completely (male and female parts), assembly parts and shut completely. A bland or superficial closure may cause leakage over time. Don't move after tightening. Before operating the system wait for 24 hours to allow complete curing time. In case of serial products lock the joint with pipe wrench to avoid breaking the previous film in its formative stages. In case of passive surfaces and/or low temperature a fast cure can be obtained using WINKEL PRO Anaerobic Activator. Consult the MSDS before use. By usage of an activator the curing values may drop by 15%.

Art. Nr. :	Packaging:
20600	50 ml
20601	250 ml
20602	1 L

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.