

SW 825

Oil resistant sealant and locker for high temperature

DESCRIPTION

SW825 is an oil resistant medium-strength sealant and locker, recommended for threaded joints and couplings when a periodical demounting is needed. The product formulation allows its effective use also onto oil contaminated surfaces. **SW825** is highly resistant to temperature variation, corrosion, vibration, oil, fuels and many other chemicals.

The product properties allow its use also as a medium-strength threadlocker, particularly under high duty temperature. **SW825** keeps unchanged its locking action in the range from -55°C (-67°F) up to +200°C (392°F) including peak values of +250°C (482°F) for short time.

SW825 is recommended by Faiveley Transport to lock and seal the pneumatics and the hydraulic fittings mounted on rotary and piston compressors.

DIRECTIONS FOR USE

Clean and degrease the surfaces carefully using a specific product. Apply the proper quantity of **SW825** required to fill completely the gap between the coupled parts avoiding product excess. Wait for the curing time. Liquid product can damage coating and elastomers. Its contact with some kinds of thermoplastics, even accidental, might induce delayed stress-cracking events. **For applications on non-metal materials, please contact BB Technical Service.** To disassemble use common tools. If possible, heat at 150-250 °C (302°F – 482°F) to make the dismounting easiest. Remove mechanically any residue of cured product and clean parts with acetone.

CURING PERFORMANCE

The curing rate depends on the backlash existing between the coupled components, on the surfaces condition and on temperature. The functional strength is usually reached in 1 – 3 hours and the final strength in 24 – 36 hours. Applying on surfaces coated with protective and/or at low temperature, a shortest cure time can be obtained using a proper activator (please contact BB Technical Service).

CURING PROPERTIES

Zinc plated bolt M 10 x 20 - quality 8.8 - Nut h = 0,8 d at 25 °C

Handling cure time	10 - 20 minutes
Functional cure time	1 - 3 hours
Full cure time	3 - 6 hours
Locking torque (ISO 10964) breakaway	18 - 23 Nm
Locking torque (ISO 10964) prevailing	9 - 16 Nm
Shear strength (ISO 10123)	9 - 13 N/mm ²
Temperature range	-55°C (-67°F) ↔ +200°C (+392°F)

HANDLING AND STORAGE

Keep product in a cool and dry storage not over than +25°C (77°F). To avoid contaminations do not refill the containers with the residues of liquid product remaining after use. For more information about the product applications, storage and handling, please contact BB Technical Service.

CHEMICAL RESISTANCE

Aging tests performed under the reported conditions, after 24 hours from the full polymerization at the specified temperature.

Substance	°C (°F)	Resistance after 100h	Resistance after 1000h	Resistance after 5000h
Motor oil	125 (257)	excellent	excellent	excellent
Gear box oil	125 (257)	excellent	excellent	excellent
Gasoline	25 (77)	excellent	good	good
Water/Glycol 50%	87 (188.6)	excellent	good	good
Brakes oil	25 (77)	excellent	excellent	good

For further information about the product resistance to other chemicals, please contact BB Technical Service.

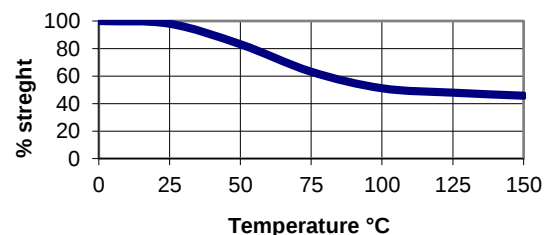
PHYSICAL PROPERTIES

Composition	anaerobic methacrylate
Colour	blue
Viscosity (25°C - mPas)	1.700 - 9.000 (thixotropic)
Friction coefficient μ	0,10
Specific gravity (g/ml)	1,05
Fluorescence	under UV light
Flash point	> 100°C (>212 °F)
Shelf life	1 year at 25 °C
Max thread diameter / Max machining tolerance	M36 / 0,25mm

ENVIRONMENTAL RESISTANCE

The hereunder graph shows in percentage the mechanical resistance trend vs temperature.

Steel specimen – ASTM 1002/DIN 53283



SAFETY AND HANDLING

Please refer to the Material Safety Data Sheet.

PACKAGING

SW825 is supplied in 50ml bottle in 10 pcs box.

Note

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