



TECHNICAL INFORMATION

971 Studlocker

DESCRIPTION

971 is a permanent strength Studlocker. 971 locks studs up to 1" (25.4mm), sealing against leakage and corrosion. It is chemical resistant, resisting fuels, lubricants and most other industrial liquids and gases, while also providing temperature resistance up to 175°C.

APPLICATIONS

971 Studlocker eliminates double nutting and/or welding of critical assemblies. Using 971 Studlocker permits reduced casting thickness and ultimate lightness, reduced assembly stress and eliminates cracked castings due to interference fit stresses.

USEFUL HINTS/NOTES

971 is colour coded red for clear differentiation. Due to its chemical resistance it is ideal in applications such as a sealant for refrigeration plant, air conditioning, big plant and process equipment using corrosive chemicals.

PROPERTIES

Fast acting securing compound, giving retention strength and vibration proofing, typically 3000psi.

DIRECTIONS FOR USE

- Parts should be clean, dry and dust free.
- Degreased parts will assist results.
- Apply sufficient product to fill joint.
- Assemble parts in traditional manner.
- To achieve handling strength allow product to cure (approximately 20 minutes).
- Store in cool conditions.
- Keep out of direct sunlight.

COMPATIBLE ACTIVATORS

Activators such as 7800 Structural Activator or the faster 7600 Structural Activator can be used. However, up to 30% strength loss can occur when using accelerators.

TECHNICAL FEATURES

Physical Properties (liquid product)

Chemical base: Methacrylate Diester
Colour: Red / Flourescent
Viscosity: 25°C Brookfield DVII
1000-1200mPas Spindle 3 @ 20rpm
Density: 1.10 25°C
Max.thread diameter: M20
Max. gap filling: 0.15mm
Flash point: >100°C

Physical Properties (cured product) @23°C

Measured on M10 x 20 loose free running nuts. (DIN)

1. Initial strength : 10 – 20 minutes
2. Functional strength : 1-3 hours
3. Final strength 5-10 hours
4. Break-loose torque <30Nm (M10)
- 5 Prevailing torque: <45Nm (M10)
6. Shear strength 12-15 N/mm²
DIN54452
7. Thermal range: -55°C up to +175°C

STORAGE

Shelf Life:12 months @ 20°C

PACKAGING

Bottles: 10ml, 50ml & 250ml Bulk up to 20kg

HEALTH & SAFETY IN USE

Please refer to MSDS

IRRITANT: R43 - R36/37/38 - S23 - S24/25 - S37/39 - S51

Contains Methacrylate Esters

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