



ENGLISH

Datasheet

# RS Pro 50ML FLANGE SEALANT

RS Stock No: 908-2777



## Technical Data

|                                |   |
|--------------------------------|---|
| <b>Chemical base</b>           | Methacrylate Ester                                      |
| <b>Colour</b>                  | Orange / Fluorescent                                    |
| <b>Specific Gravity @ 25°C</b> | 1.05 @ 20°C   |
| <b>Viscosity (25°C)</b>        | 75000 – 90000 mPas @ 25°C (Brookfield Spindle 6 @10rpm) |
| <b>Flashpoint</b>              | >100°C  |
| <b>Max.Gap Fill</b>            | 0.50 mm   |



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### Product Description

Cedesa Gasket Sealant is a high viscosity thixotropic gel, which cures rapidly, sealing instantly to 10 bar through its Anaerobic cure system, in contact with Metals in the absence of air (oxygen). When fully cured it resists pressure up to 200 bar and up to 180°C. Gasket Sealant is a form in place gasket maker with the additional benefit of being WRAS approved.

### Applications

Typical applications are in sealing all types of flat faced surfaces with close fits against water, oil, gases and most common materials conveyed by systems needing sealing.

### 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 15 minutes).
- Store in cool conditions.
- Keep out of direct sunlight.

Where cure speed is extended due to low temperatures or inactive surfaces, activator can be used. Best results are found if the sealant is applied in a continuous bead avoiding blind holes etc. Excess can be wiped away. Any migration into lines will not solidify and can be flushed away during commissioning.

### Properties

Fast Cure to fixture usually <30 minutes @ 20°C on steel.

Temperature Range: -50°C to + 180°C

Typical Break-loose: 12Nm. up to 18Nm (ISO method 4)

Typical Strength: 6 N.m prevailing on M10's (ISO method 4)

Recommended for flat faced assemblies with near zero gaps.

Increase of gap size or fit extends the cure time.

An activator (Standard anaerobic activator) can be used, however, up to 30% strength loss can occur when using accelerators.



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**Cured Performance @23°C** - Measured on M10 x 20 bolt – grade 8.8 zinc galvanised – nut 0.8d loose free running (1) (2) (3) ISO method is loose M10's mild steel no on torque (4)

|                               |  |
|-------------------------------|--|
| <b>Initial strength</b>       | 20 – 30 minutes  |
| <b>Functional strength</b>    | 1 – 3 hours  |
| <b>Final strength</b>         | 12 – 24 hours  |
| <b>Break-loose torque</b>     | 12 – 20 N.m (M10) DIN*   |
| <b>Prevailing torque</b>      | 6 – 14 N.m (M10) DIN*  |
| <b>Shear strength</b>         | 6 – 13 N/mm <sup>2</sup> DIN5445   |
| <b>Temperature Range (°C)</b> | -55 <sup>0</sup> C – 180 <sup>0</sup> C (Short term exp. up to 200 <sup>0</sup> C) |

\*DIN method is 5N.m on torque increasing results over ISO method.

#### Shelf life

12 months @ 20<sup>0</sup>C and in closed original packaging.

#### Health & Safety in use

Please refer to MSDS.

IRRITANT: R43 – R36/37/38 – S32 – S24/25 – S37/39 – S51

Contains Methacrylate Esters.

#### Important Note

Whilst all reasonable care is taken in compiling technical data on the company's products, all recommendations or suggestions regarding the use of such products are made without guarantee, since the conditions of use are beyond the control of the Company. It is the customer's responsibility to satisfy themselves that each product is fit for the purpose for which he intends to use it, that the actual conditions of use are suitable and that in the light of continued research and development the information relating to each product has not been superseded.