

Flexseal HT315

Heat and Oil Resistant Silicone Sealant



Description

Flexseal HT315 is an acid-curing, chemically stable silicone sealant for universal application at high temperatures up to 250°C.

Flexseal HT315 cures at room temperature under the action of atmospheric moisture to give a permanently flexible silicone rubber.

Applications

Flexseal HT315 is ideal for sealing and bonding, especially for joints exposed to high temperatures. Suitable for indoors and outdoors, industrial use and materials like:

- ▲ aluminum, steel,
- ▲ glass, glass ceramic surfaces, enamel, ceramic tiles,
- ▲ plastics, impregnated or painted wood, paints.

Advantages

- ▲ Non-sag
- ▲ Flexible at low (-40°C) and high temperatures (+250°C)
- ▲ Emergency resistance at + 275°C up to 21 days
- ▲ Maintains elastic properties up to 250 %
- ▲ Resistant to temperature peaks up to + 315°C
- ▲ For indoor and outdoor use

Method of Use

Surface preparation

The substrate areas must be clean, dry and free from all contamination.

Non-porous substrates should be cleaned with a solvent. Remove residual solvent before it evaporates. Primers may be required on some substrates.

Users must carry out their own tests due to the great variety of substances.

It is recommended to use masking tape on each side of the joint to maintain clean and uniform joint sides.

Application

Where applicable, appropriate joint filler e.g. closed cell polyethylene foam, should be used to provide the correct joint depth.

Technical Properties 25°C, 50% RH

Color	Red or Black
Tensile strength ISO 8339	0.70 N/mm ²
Elongation at break ISO 8339	250 %
Modulus at 100 % elongation ISO 8339	0.45 N/mm ²
Tear strength ISO 34, method C	4.2 N/mm
Hardness Shore A	25
Density ISO 1183-1 A	1.03 g/ cm ³
Extrusion rate	250 ml/ min
Skin forming time	20 min
Temperature resistance	- 40°C to +250 °C

Flexseal HT315 is supplied in cartridges and can be applied into the joint using caulk gun.

Apply Flexseal HT315 into the joint starting from the bottom, ensure that the joint is completely filled.

Tool the surface of the sealant within 15 minutes of the application using a spatula or suitable smoothing liquid

This will provide a smooth finish and will ensure good contact between the sealant and the substrate.

Remove the masking tape directly after tooling the sealant.

Limitations

- ▲ Should not be used on substrates such as marble, concrete, fibrous cement and mortar
- ▲ Should not be used in contact with metals such as lead, copper, brass or zinc due to corrosion.
- ▲ Not suitable for parts that are constantly exposed to fuels
- ▲ Not recommended for structural glazing bonding
- ▲ Application temperature +5°C to +40°C.

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Storage

Flexseal HT315 should be stored in original unopened packages at temperatures not below +5°C in a dry place, without direct sunlight.

Shelf Life

Flexseal HT315 has a shelf life of 18 months if stored under the recommended conditions.

If these conditions are exceeded, DCP Technical Department should be contacted for advice.

Cautions

Health and Safety

If incured Flexseal HT315 comes into contact the eyes, flush with copious volumes of cold water and obtain medical attention.

Product is non-hazardous once cured.

For further information refer to the Material Safety Data sheet.

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- ▲ Grouts and chemical fixings.
- ▲ Concrete repairs.
- ▲ Industrial floorings.
- ▲ Structural protection.
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