

HT30

High Temperature / Heat Resistant Silicone

Technical Data Sheet



PREMIERE SILICONE & SEALANT RANGE

Description:

A ready to use, one component, acetic curing heat resistant silicone sealant.

Features & Benefits:

- ◆ *Sag resistant, non-slumping.*
- ◆ *High temperature resistance up to +300°C.*
- ◆ *Mildew resistant.*
- ◆ *UV resistant and weatherproof.*
- ◆ *For interior and exterior applications.*

Uses

HT30 has been specifically designed for high temperature use. After curing HT30 will resist temperatures of +250°C for extended periods and up to +300°C for short periods.

Generally used for sealing joints which are exposed to high temperatures, i.e. connections on ovens, heating systems, machines, car bodies (vicinity of engines), etc. HT30 does not lose its sealing properties under extreme conditions. Can be applied to glass, ceramic tiles, enamel and epoxy paint. It can also be used with polyamides, ABS, metals and polyester in immersion or humid heat, however, a primer may be required.

Limitations

Not suitable for use within 1 metre of wood burning stove flues. Not suitable for use with aquarium building. HT30 can also cause stains around joints on marble, sandstone and other extremely absorbent substrates if they are not treated carefully with a primer. Cannot be over painted, therefore substrates to be painted must be kept free of sealant. During the curing process small quantities of acetic acid are released which could attack certain kinds of metal but also alkaline substrates.

Preparation

Ensure all surfaces or joints are clean, dry and free from grease, oil or any other contaminants that may hinder adhesion. Primer may be required on certain absorbent surfaces.

Application

Apply using a standard sealant gun with the nozzle cut at an angle of 45°, and to an opening slightly larger than the joint to be sealed. Alternatively HT30 can be tooled with a finger, thin piece of wood dipped in a tooling liquid or Bond It SEALANT APPLICATOR TOOL. Avoid any contamination or mechanical pressure of the sealant before skinning process has completed. Cover sealant



if it is necessary.

Apply HT30 to one of the two parts to be assembled, then bring the two parts together. The sealant will start to cure on contact with atmospheric humidity. After 3 to 5 minutes exposure to air, it is no longer possible to "rework" the product. Curing can be accelerated by increasing temperature up to a maximum of +150°C dry heat.

Tools can be cleaned in Bond It WHITE SPIRIT or MULTI-WIPES prior to curing taking place.



Coverage

Depending upon substrate condition and porosity approximately 10 linear metres with a 6mm bead per cartridge.

Colour

HT30 comes in 2 colours, black and red.

Size

310ml plastic cartridge.

Shelf Life

Minimum 18 months from date of manufacture when stored in original, unopened cartridges.

Storage Conditions

Store in cool, dry conditions at a temperature between +5°C and +25°C. Protect from frost and direct sunlight.

Disposal of Containers

Do not leave empty containers where residue could be harmful to children, animals or the environment. Remove any containers to a central disposal point in accordance with local regulations.

Health & Safety

Please refer to separate safety data sheet (SDS) for full handling, use and storage instructions. Keep out of reach of children. It is the user's responsibility to determine suitability for use. If in doubt, contact our Technical Department for advice.

Note: this information is for general guidance only, since site conditions and labour are beyond our control.

Specification Summary

Curing System	Acetic curing
Skin Time	12 minutes
Full Cure Time	2mm per day
Application Temperature	+5 to +40°C
Permanent Temperature Resistance	+250°C
Short Term Temperature Resistance	+300°C
Shore A Hardness	12-13
Tensile Strength	1.5N/mm ²
Elongation at Break	>500%
Modulus at 100% Elongation	0.3N/mm ³
Flammability	Non-flammable
Density	ca. 1.02g/cm ³
Commodity Code	3214101010



Product / Order Details

Code	Colour	Fill	Barcode	UFI
BDHT30R	Red	310ml	5060021363343	-
BDHT30BL	Black	310ml	5060021366535	-



Part of the Bond It Silicone & Sealants Range

Head Office: Unit H4, Premier Way, Lowfields Business Park, Elland, West Yorkshire. HX5 9HF.

Telephone: +44 (0)1422 315300 **Email:** salesuk@bonditgroup.com

EU Office: SISL (Bond It) Ireland Limited, 70 Sir John Rogerson's Quay, Dublin 2. **Tel:** +353 1 960 9411

Website: www.bonditgroup.com

Note: The data presented in this leaflet is in accordance with the present state of our knowledge, but does not absolve the user from carefully checking all supplies immediately on receipt. We reserve the right to alter product constants within the scope of technical progress or new developments. The recommendations made in this leaflet should be checked by preliminary trials because of conditions during processing over which we have no control, especially where other companies raw materials are also being used. The recommendations do not absolve the user from the obligation of investigating the possibility of infringement of third parties rights and, if necessary clarifying the position. Recommendations for use do not constitute a warranty, either expressed or implied, of the fitness or suitability of the products for a particular purpose.



Certificate Number 6152
ISO 9001
ISO 14001
ISO 45001

Version 7: 18/01/24
Supersedes V6 18/10/22

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