

X-Seal HT300

High temperature silicone sealant

Product Description

X-Seal HT300 is an one part, high temperature, non-slumping 100% silicone sealant with a very good consistency, formulated to perform at temperature as high as 300°C.

Advantages

- Wide range of temperature –65C to 300C
- Non-slump
- Good consistency
- Oxygen sensor safe

Uses

- Seals heating elements in appliances
- Seals aerospace gasketing
- Seals moving oven belts, industrial ovens and bag filters on smoke stacks
- It is also used in applications for other critical bonding, sealing, potting and encapsulating.

Laboratory Test Data

Property	Typical Results
Elongation	>300%
Shore A hardness	22

Application Properties

Tack-free time	20 min.
Extrusion rate	275 g/min.
Specific gravity	1.01
Flow (sag or slump)	Nil
Depth Cure	2mm/day
Application temperature	5C to +40C

Specification Compliance

ASTM D 2240-97
ASTM D 412
ASTM C 639-01
ASTM C 679-87

Volatile Organic Content

VOC = 50 g/L

Colour

Grey, red and black.

Packaging

310ml cartridges.

Shelf life

12 months when stored unopened at below 27C under shade in a dry environment.

Installation Guidelines

NCC X-Calibur provides detailed method statements on all its products for use in various applications. These must be referred to prior to starting work. The information below is a summary intended for guidance only.

Joint Preparation

Make sure the joint design is correct. Proper joint design minimizes stresses on the sealant.

Clean the joint surfaces on both new and old jobs. Surfaces must be clean, dry and sound. Since new material is often covered with a protective film, solvent wipe all surface materials with a wet brush and X-Seal Cleaner.

Use masking tape where bead lines of exact shapes are required. Masking tape should be removed immediately after a bead is completed before a skin begins to form.

Application

Apply sealant to dry, clean surfaces. An air-operated or hand-operated cartridge gun may be used. Do not break cartridge seal until just before use. Surfaces in this instance should be dried before the sealant is applied.

Tool joint, if necessary, remove masking tape. Tooling should be completed in one continuous stroke. Tool immediately after sealant is applied and before a skin begins to form. Do not use soap or oil as a tool aid. Remove masking tape immediately after tooling is completed.

Cleaning

Clean equipment using X-Seal Cleaner.

Limitations

Not to be used in aquariums
Do not use for structural glazing
Not recommended for use in below ground joints or where abrasion and physical abuse are encountered.
Do not apply to surfaces that require painting.

Health and Safety

This product is for industrial use only by trained operatives. It is potentially hazardous if not used correctly. Please refer to the Material Safety Data Sheet (MSDS) prior to the purchase and use of this product. The MSDS can be obtained via our website www.ncc.com.eg

Authorized Technical Specialist

Please note that only NCC X-Calibur Authorized Technical Specialists ('ATSS') are permitted to change any of the information in this data sheet or to provide written recommendations concerning the use of this product. Visit www.ncc.com.eg for a full list of NCC X-Calibur ATSSs.

Datasheet Validity

NCC X-Calibur makes modifications to its product datasheets on a continuous basis. Please check the datasheet update section on www.ncc.com.eg to ensure you have the latest version.

Warranties

NCC X-Calibur supplies products that comply with the properties shown on the current datasheets. In the unlikely event that products supplied are proved not to comply with these properties, then we will replace the non-compliant product or refund the purchase price. NCC X-Calibur does not warrant or guarantee the installation of these products as it does not have control over the installation or end use of the products. Any suspected defects must be reported to NCC X-Calibur in writing within five working days of being detected. NCC X-Calibur Construction Chemistry Inc.

makes no warranty as to merchantability or fitness for a particular purpose and this warranty is in lieu of all other warranties express or implied. NCC X-Calibur Construction Chemistry Inc. shall not be liable for damages of any sort including remote or consequential damages, down time, or delay.

Quality Statement

All Products manufactured by NCC X-CALIBUR or imported from X-CALIBUR companies world-wide are manufactured to procedures certified to conform the quality, environment, systems described in the ISO 14001:2004 , ISO 9001:2000.

