

TECHNICAL DATA SHEET**340°C GRAY SEAL****DESCRIPTION:**

340°C HI-TEMP GRAY SEAL IS A ONE PART SILICONE SEALANT WHICH CURE TO FORM A DURABLE RUBBER SEAL THAT OFFER EXCELLENT ADHESION, HEAT RESISTANT FOR GLAZING AND JOINT SEALING APPLICATION.

FEATURES:

- ◆ ACETIC ACID CURING SYSTEM.
- ◆ OUTSTANDING HIGH TEMPERATURE RESISTANT UPTILL 343°C.
- ◆ EXCELLENT GUNNABILITY (-20°C TO 50°C).
- ◆ LOW SHRINKAGE.
- ◆ NO SAGGING.
- ◆ PRIMERLESS ADHESION TO MOST MATERIALS.

USES:

HIGH TEMPERATURE RESISTANT GASKET AND JOINT SEALING.
SEALING OF INDUSTRIAL OVENS.
FORMING IN PLACE GASKETING APPLICATIONS.
ASSEMBLIES OF GLASS, PORCELAIN COATED METAL, EPOXY AND POLYESTER PANELS, POLYSTYRENE, ANODISED ALUMINIUM, STAINLESS STEEL, FINISHED METAL SURFACE AND FINISHED WOOD.

LIMITATIONS:

340°C HI-TEMP RED SILICONE IS AN ACETIC ACID CURING SILICONE AND IS NOT SUITABLE FOR USE WHERE THE ACETIC ACID COMPONENT WILL CORRODE THE BASE MATERIAL.
NOT PAINTABLE.
NOT FOR: PE, PP, PTFE AND BITUMINOUS SURFACE.

JOINT DESIGN:

THE SPECIFIED SEALANT BEAD SIZE SHOULD BE CALCULATED TO COMPLY WITH THE COMPRESSION AND EXTENSION CAPABILITIES OF THE SEALANT IN RELATION TO THE ANTICIPATED JOINT WIDTH DUE TO THERMAL EXPANSION AND CONTRACTION.
GENERALLY CALCULATION OF THE WIDTH OF SEALANT BEAD SHOULD BE COMPUTED ON THE BASIS OF A MAXIMUM $\pm 25\%$ COMPRESSION AND EXTENSION CAPABILITY MINIMUM BEAD SIZE SHOULD NOT BE LESS THAN 3mm TO ACCOMMODATE MOVEMENT. DESIGN JOINT DEPTH OF WHICH RATIO WIDTH BECOMES 0.5 TO 1.

SUITABLE JOINT DEPTH VS. WIDTH:

6mm x 6mm

8mm x 12mm

10mm x 20mm

* JOINT SIZE MINIMUM 3mm x 3mm.

* JOINT SIZE MAXIMUN 30mm.

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- ◆ SURFACE MUST BE CLEAN AND DRY.
- ◆ MASK SMOOTH SURFACE TO SIMPLIFY CLEAN UP.
- ◆ CUT NOZZLE TO DESIRED SIZE.
- ◆ PUSH SEALANT AHEAD FOR UNIFORM BEAD.
- ◆ TOOL WITHIN 5 MINUTES.
- ◆ CLEAN OFF EXCESS SEALANT WITH M.E.K. OR TOLUENE.

CURING TIME:

HI-TEMP GRAY SEAL WILL TACK FREE IN APPROXIMATELY 30 MINUTES AND WILL CURE TO A DEPTH OF 10mm WITHIN 7 DAYS.

SPECIFICATION:

CURING SYSTEM	ACETOXY
APPEARANCE	NON-SAGGING PASTE
ODOUR	VINEGAR SMELL
SPECIFIC GRAVITY	1.06±0.01
SHORE A HARDNESS	APPROX. 29.
ELONGATION	400%
TENSILE STRENGTH	APPROX. 2.8MPa
TOOLING TIME	5 MINUTES
TACK FREE TIME	30 MINUTES
APPLICATION TEMP.	-20°C TO 50°C
SERVICE TEMPERATURE	-40°C TO 343°C
SHELF LIFE	12 MONTHS

CAUTION:

UNCURED SEALANT MAY CAUSE SKIN, EYE AND RESPIRATORY SYSTEM IRRITATION.
USE ONLY IN WELL VENTILATED AREAS.
USE APPROPRIATE PERSONAL PROTECTION TO AVOID CONTACT WITH SKIN AND EYES.
IN CASE OF EYE CONTACT OR IRRITATION, FLUSH EYE IMMEDIATELY WITH RUNNING WATER FOR 15 MINUTES AND GET MEDICAL ATTENTION.
IN CASE OF SKIN CONTACT, WASH AFFECTED AREAS WITH HAND CLEANER FOLLOWED BY SOAP AND WATER.
PRODUCT RELEASES ACETIC ACID DURING APPLICATION AND CURING.
FOR FURTHER HEALTH AND SAFETY INFORMATION CONSULT THE CURRENT MATERIAL SAFETY DATA SHEET.