PRODUCT DATA CHEET معلومات المنتج

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MAX FIX

PRODUCT DESCRIPTION

Starbond GP - General Purpose is a high quality one-component, acid-curing silicone sealant. It cures at room temperature when exposed to atmospheric moisture to form permanently flexible silicone rubber It has excellent resistance to bacterial growth. It is design for extremely hot climate. Exabits exceptional resistance to shrinkage, aging and water.

APPLICATION

- Sanitary, Bathtubs, Washbasin, Kitchen sinks and Shower Cabins
- Sealing balcony, window and door joints
- Pinhole and shower screen repair
- Aluminum profiles and tiles
- Non-Structural Glazing, Structural attachment of panel system
- Steel and Painted Metals, Granite, stones, concrete, bricks and plastic.

ADVANTAGES

- Multi-Purpose.
- 100% Silicone.
- Excellent resistance to Fungal and Bacterial.
- Highly Flexible
- Excellent adhesion to glass, plastics ware, ceramic tiles, PVC boards and most of the porous substrate.
- Extremely flexible at high temperature.
- Permanently flexible.
- Mildew resistance and high temperature.
- Extremely Anti-bacterial with long shelf life.
- Ready to use and shorter tack free time.
- Excellent weatherability and waterproofing.

STORAGE

- Store under covered area, protect from direct sunlight and high temperature less than 25°C.
- Shelf life is up to 12 months in unopened container when stored as directed.
- Stack the box upright position and max number of stacks is allowed are eight cartons.

PACKAGING

- Available in standard caulking cartridge and 200 Ltr Drums

TECHNICAL SPECIFICATION

Base	Silicon
Color	Black, White, Clear
Consistency	Non-Sag
Specific Gravity (ASTM D 1475)	0.97-1.01
Tack free time (ASTM C679)	10 mins (approx.)
Skin Over time (ASTM C679)	5 mins (approx.)
Depth Cure @ 24 hrs @ +23°C/50% RH	2.5
Hardness (Shore A) (ASTM D 2240-15)	23-26
Tensile Strength (ASTM D 412-16)	11.5-13.5
Elongation (ASTM D 412-16)	>350
Modulus at Elasticity (ASTM D 1784-20)	0.5
Service Temperature	-5 to +150°C
Application Temperature	5 to 45°C

CHEMICAL RESISTANCE

Resistant to water, seawater, diluted alkalis, diluted acids, cement grout, oil and water diluted detergents.

DIRECTIONS FOR USE

The surface wherever to be sealed must be clean, dry and free from oil, dust, and grease. Non-porous substrate must be cleaned with solvents to remove residual and wipe off excessive solvents. Place masking tape, if required. Masking tape has to be removed skin formation time. Substrate compatibility test is always recommended before applying. In all cases, make sure the joint design is correct. Proper joint design minimizes stresses on the sealant. Fix the nozzle to the cartridge and cut down to the required dimension and extrude the sealant into the gap continuously. After application, remove the excess sealant tool with spatula (Immersed into soapy water) before skin formation.

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Uncured material can be removed by using a solvent. Cured material may be removed by abrasion or appropriate mechanical tools. Product cures when exposed to moisture and cures in room temperature. Changes or rework has to be make within 5 minutes of application. Make sure mask area adjust to joints has to be used with neat sealant liner. Curing time allowed varies depending on the climatic condition. Product cures @ 3mm @ 25C at 24 hrs with relative humidity of 50 %.

CURING MECHANISM:
Starbond GP cures by reacting with atmospheric moisture. Lower the temperature the atmospheric moisture content is low hence and the curing time is more slowly.

TOOLING AND FINISHING:
Immediately tool sealant after application and before skin formation. Tooling of sealant should be done in one continuous stroke. Remove masking tape immediately after tooling is completed.

LIMITATIONS

- The product is not recommended for applications with permanent contact with solvents such as aromatic solvents, organic acids, concentrated alkalis and concentrated acids, chlorinated hydro-carbons. In cases of other chemicals contact our Technical Service. The above information is offered for general guidance only.
- This material is not paintable. May not be suitable to join sensitive natural stones such as marble, granite or quartz, as this may cause staining.
- Not to be used in contact with sensitive metals such as lead, copper, brass, zinc, carbon steel, galvanized iron or magnesium as corrosion may occur during acetic acid release/sealant cure. Substrate Compatibility test is always recommended before use.

CLEANING

Uncured Sealant:
Excess uncured sealant should be removed carefully using a soft scraper. Removed using a cloth just moistened with white spirit or soapy water. Repeat using another clean cloth moistened with white spirit or soapy water one continuous stroke. Remove masking tape immediately after tooling is completed.
Cured Sealant:
Cut away excess cured material with a very sharp knife. Do not use solvent to remove product from skin–use soap and water.

HEALTH & SAFETY

As with all chemicals, caution should always be exercised. Protective clothing such as gloves and goggles should be worn.

INHALATION: Inhalation of vapor or mist should be avoided. If inhaled symptoms include coughing, wheezing, laryngitis, and shortness of breath, headache, nausea, and vomiting. Immediately shift victim to fresh air, and, if needed immediately start artificial respiration. Give oxygen if breathing is labored. Get emergency medical help.

EYE CONTACT: Flush eyes with water for 15 minutes and call for medical help.

INGESTION: Causes nausea, vomiting, and loss of consciousness. If accidentally swallowed do not induce vomiting rather call for medical help immediately.

SKIN CONTACT: Flush with water or soap and water until all traces have been removed. Seek medical attention if required.

WARRANTY:
The information given is based on our knowledge and performance of the material. Every precaution is taken in the manufacture of the product and responsibility is limited to the quality of supplies with no guarantee of results in the field, as manufacturer has no control over site conditions or execution of work.

LIMITED PRODUCT WARRANTY

Star Technologies warrants this product for one year from date of installation to be free from manufacturing defects and to meet the technical properties on the current Product Data Sheet if used as directed within shelf life. User determines suitability of product for intended use and assumes all risks. Buyer's sole remedy shall be limited to the purchase price or replacement of product exclusive of labor or cost of labor.

NO OTHER WARRANTIES IMPLIED OR EXPRESS SHALL APPLY INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. STAR TECHNOLOGIES SHALL NOT BE LIABLE UNDER ANY LEGAL THEORY FOR SPECIAL OR CONSEQUENTIAL DAMAGES. STAR TECHNOLOGIES SHALL NOT BE RESPONSIBLE FOR THE USE OF THIS PRODUCT IN A MANNER TO INFRINGE ON ANY PATENT OR ANY OTHER INTELLECTUAL PROPERTY RIGHTS HELD BY OTHERS.

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