

## GP Silicone Powerseal

Ref: Q/JL SX01P03-202001

No.: TDS20EA017EN-A047

Revision Date: 2020-10-08

Issue Date: 2020-10-08

### PRODUCT DESCRIPTION

001. It has capable of repeated extension and compression during service with excellent resistance to aging, shrinkage, cracking and discoloration.
002. It is a good choice for glazing, also especially formulated for extreme conditions, such as high temperature, long-term contact with water.
003. It's widely used in construction & home decoration for joints adhesion and sealing where high-quality sealant is needed.
004. It meets the requirements of ASTM C920 and ISO 11600.

### TYPICAL APPLICATIONS

001. It is suited for intake exhaust manifolds, headers, thermostat housing, etc.
002. It can be used on automobile/motor cycle's engine, valve, and such joint cover of rigid flange.

### FEATURE

001. Effective up to 500°F (260°C)
002. Specially formulated
003. Super water resistance
004. Suitable for water pumps
005. Multi-purpose

### TECHNICAL FEATURES

| Items               | C*a/T*b/S*c/O*d | Unit              | Typical Value | Requirement         | Test Std     | Eqv. Std        |
|---------------------|-----------------|-------------------|---------------|---------------------|--------------|-----------------|
| Appearance          |                 | /                 | /             | Fine, uniform paste | Q/JL-00-T001 |                 |
| Density             |                 | g/cm <sup>3</sup> | 1.03          | 1.03±0.10           | GB/T 13477.2 |                 |
| Tack free           | ///Finger       | min               | 5             | ≤15                 | GB/T 13477.5 | ASTM D2377:2000 |
| Sagging             |                 | mm                | 0             | ≤1                  | GB/T 13477.6 | ISO 7390        |
| Hardness, Shore A   | 7d///           | /                 | 25            | 20~30               | GB/T 531.1   | ISO 48-4        |
| Curing Depth        | 24h///          | mm                | 3             | ≥3.0                | GB/T 32369   |                 |
|                     | 7d///           | mm                | 7             | ≥6.0                | GB/T 32369   |                 |
| Elongation at break | 7d///           | %                 | 900           | ≥400                | GB/T 528     | ISO 37          |
| Tensile Strength    | 7d///           | MPa               | 1.6           | ≥0.8                | GB/T 528     | ISO 37          |

Notes: \*a, Conditioning, specimen is conditioned under (23±2) °C, (50±5)% relative humidity if not specified;

\*c, Substrate

\*b, Testing Condition, specimen is tested at (23±2) °C, (50±5)% relative humidity if not specified;

\*d, Others need to be specified.

The above data is intended to provide guidance for use and should not be used to write product specifications

### DIRECTIONS FOR USE

APPLICATION TEMPERATURE: +5 °C to +45 °C

001. Surface must be clean and free from grease and old glue. Mask smooth surface to simplify clean up.
002. Remove the cap from the tube and pierce film with reverse side of cap to break the seal. Cut the tip off the nozzle to achieve the desired bead size and screw nozzle on to the tube.
003. Squeeze the tube and apply the silicone at a slight angle in the direction of use. After use, remove the nozzle, wipe clear and replace the cap firmly to avoid any air from entering the tube.
004. Sealant skins in 25 minutes, dries to touch in 1 hour and reaches full cure after approximately 24 hours.
005. Smooth down after application (within 3-5 minutes) before skin formation occurs, by using a flat or rounded tool, or even a finger, dipped in soapy water.

TDS20EA017EN-A047

The management system has been certified according to ISO 9001:2015, ISO 14001:2015, ISO 45001:2018.

Web: www.saint-gobain.com.cn/ www.joinleader.cn/ www.tekbond.com

Page 1/2

Email: JLQE.Compliance@Saint-Gobain.cn

### RESTRICTIONS

001. To the substrate that the surface temperature exceeds +50°C or apply at temperatures below 5°C.

002. To the surfaces that with direct touch of food.
003. Do use for structural glazing.
004. To all surfaces that bleed oil, plasticizers or solvents such as wood immersed in oil, oil crack filler, and some uncured or sulfur zed fat and to surface Where is wet.

## **STORAGE AND SHELF LIFE**

12 months in unopened packages in a cool and dry storage place at temperatures between +5 oC and 27 oC, humidity between 30% and 70%.  
Optimal storage is at the lower half of this temperature range and humidity range.  
To prevent contamination of unused product, do not return any material to its original container.

## **COLOR**

White, Clear  
Different colours are available.

## **PACKAGE**

300 mL  
Different packages are available.

## **SAFETY**

Keep out of reach of children. Before operation, please carefully read the specifications of products and material, and instructions on the package of container.  
For more information about safety, please refer to the MSDS.

## **NOTES**

JOINLEADER. All rights reserved.

All content in this document and related publications (including electronic) is JOINLEADER's intellectual property. No part may be copied, shared, or used without written permission.

Technical information provided is indicative and non-exhaustive. JOINLEADER assumes no liability for direct or indirect damages arising from errors, inaccuracies, or omissions, including those due to technological changes or research after publication. JOINLEADER reserves the right to modify this document.

Users must review all product-related documentation before use and conduct necessary tests to ensure suitability. JOINLEADER is not liable for product application, storage, transport, or resulting damages.

-----END-----