

XHG-9281 Neutral Fungicide Silicone Sealant

Product description

XHG-9281 is a one-component, neutral-cure, general purpose silicone sealant designed to resist the growth of mould and mildew where condition of high humidity exist.

XHG-9281 cures at room temperature by the action with atmospheric moisture to become a permanently flexible silicone rubber which is almost non-corrosive and non-contamination with good weather and aging resistance, and resistance to heat and low temperature.

Features

- good resistance to the growth of mould and mildew
- readily extrudable at low (+5°C) and high (+40°C) temperatures
- flexible at low (-40°C) and high temperatures (+100°C)
- good workability
- excellent adhesion to most substrates

Application

General caulking use, specially for humid environment (kitchen, bathtub, toilet, etc) .

Typical Data

uncured:

| typical property | testing method | unit | value |
|------------------------------------|----------------|----------------------|-------|
| density at 23°C | GB/T13477.2 | [g/cm ³] | 1.01 |
| slump | GB/T13477.6 | mm | none |
| extrusion rate at 23°C | GB/T13477.3 | [ml/min] | 180 |
| curing rate at 23°C/50% r.h. | / | [mm/24h] | 4-5 |
| tack free time at 23°C / 50 % r.h. | GB/T13477.5 | [min] | 10-20 |

cured after 4 weeks' storage at 23°C / 50 % r.h. :

| typical property | testing method | unit | value |
|-----------------------------|----------------|----------------------|-------|
| tensile strength | GB/T13477.8 | [N/mm ²] | 0.39 |
| elongation at break | GB/T13477.8 | [%] | 167 |
| modulus at 100 % elongation | GB/T13477.8 | [N/mm ²] | 0.31 |
| hardness | GB/T531 | Shore A | 19 |

(These figures are only intended as a guide and should not be used in preparing specifications)

Restrictions on use

XHG-9281 should not be used on substrates containing copper or copper alloy as the product releases ketoxime during curing, which is corrosive to copper.

XHG-9281 should not be used in air-tight space or for direct contact with food.

XHG-9281 should not be used in total water immersion condition.

XHG-9281 should not be used in contact with material which will release oil, grease, plasticizer or solvent.

XHG-9281 is not recommended for structural glazing.

Processing

The substrate to be in contact with the sealant must be clean, dry and free of all loose material, dust, dirt, rust, oil, and other contaminants. Extrude the sealant with caulking gun to the working area and trim it before sealant cured. Do not touch the trimmed area again to avoid damage to aesthetic appearance.

Adhesion

XHG-9281 exhibits excellent primerless adhesion to most non-porous siliceous material, e.g. glass, tiles, ceramics, painted wood and some plastics.

Users must carry out their own tests due to the wide variety of substrates.

The adhesion can be improved in many cases by pretreatment of the substrates with a primer. If adhesion difficulties arise please contact our technical service.

Storage

XHG-9281 has a shelf time of at least 12 months if stored under intact conditions in dry and cool place at below 25°C.

Storage beyond the shelf life does not necessarily mean that the product is no longer usable. In this case however, the properties required for the intended use must be checked for quality assurance reasons.

Package

210L iron drum

Safety information

During curing VOC is released. These vapors should not be inhaled for long periods or in high concentration. Hence, good ventilation of the work place is necessary. Should uncured silicone rubber come into contact with eyes or mucous membranes, the affected area must be rinsed thoroughly with water as irritation will otherwise be caused. Cured silicone rubber, however, can be handled without any risk to health.

Keep out of reach of children.