TECH-MASTERS Trading GmbH
Perfektastraße 55, A-1230 Wien
Tel: +43 (0)1 / 867 29 07
office@tech-masters.com
www.tech-masters.eu

# STC

# SEAL TECH CRYSTAL

**ONE-COMPONENT CLEAR SEALANT**

- Crystal clear sealant
- Non-yellowing - excellent resistance to UV
- Environmentally friendly
- Free of isocyanates and solvents - no hazard symbols
- No bubble formation
- Permanently flexible over a wide range of temperatures




## General Information

SEAL TECH CRYSTAL is one component, non-sagging, elastic SiMP (Silyl Modified Polymer) adhesive.
It cures under the influence of atmospheric moisture to form a high performance, permanently flexible elastic sealant.

SEAL TECH CRYSTAL is solvent- and isocyanate free and has no VOC.
SEAL TECH CRYSTAL is odourless and does not form bubbles during and after application. It is perfectly resistant to UV rays and is non-yellowing.

## Technical Information

Form: non-sag thixotropic paste
Colour: crystal clear
Chemical nature: SiMP - Silyl Modified Polymer
Curing mechanism: moisture-curing
Curing through volume (at 23°C and 50% RH): approx. 3,2mm
Shore Hardness A (DIN 53505): approx. 44 N/mm²
Relative density: 1,04 - 1,08 (ISO 1183-1 A)
Tack-free time (at 23°C and 50% RH): approx. 35 min
Elastic modulus at 100% (ISO 37 DIN 53504): approx. 1,4 N/mm²

Dynamic viscosity: 6000 - 95000 Pa*s (UNI EN ISO 3219 - Rotational viscometer)
Tensile strength (ISO 37 DIN 53504): approx. 2,8 N/mm²
Elongation (ISO 37 DIN 53504): approx. 230%
Application temperature: -5°C - +40°C
Temperature resistance: -40°C/+80°C, with brief point at +120°C
Shelf life: 12 months in its original packaging (unopened)
Storage: at 5°C - 25°C in a cool, dry place; keep away from wet areas, direct sunlight and heat sources

## Application and Use

- APPLICATION:
  - Crystal clear sealing and bonding between differnt materials
  - Elastic bonding between metal, plastic, glass and other materials
  - Sealing joints in vertical and horizontal applications
  - High mechanical/dynamic stress resistance - shock/impact resistance
  - Increase torsional stiffness of final assembly
  - Vibration and sound damping bonding
  - Suitable for indood and outdoor use
- USE:
  - Surface to be treated must be clean, dry and free from dust and grease
  - Primers may be required on some substrates and in certain application cycles
  - May be painted over (make a compatability test beforehand)
  - Drying time of alkyd resin based paint may increase

| Article nr | Name | Content | Shelf Life | Catalog |
|---|---|---|---|---|
| T569701 | Seal Tech Crystal 290ml | 290ml | see imprint + 12 months | ADHESIVES AND SEALANTS |











## Notice

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