S100 SEALANT

One part neutral curing, ultra low modulus silicone sealant

Description

S100 Sealant is a one part neutral curing, ultra low modulus silicone sealant that reacts with atmospheric moisture to form a durable and flexible building sealant. S100 sealant is designed for a variety of uses with GCP Applied Technologies' air and weather barrier systems. The Volatile Organic Compound (VOC) content is <100 g/L.

Uses

S100 Sealant is ideally suited for the following uses:

- Sealing of finished terminations, edges of patches and overlaps in detail areas
- Sealing penetrations through GCP air and weather barrier systems, such as plumbing or ductwork
- As a sheathing joint treatment for GCP fluid-applied air and weather barrier membranes
- For sealing between window flanges and the air and weather barrier system.

Advantages

- **No primer**—fast and easy application with minimum surface preparation
- **No staining or residue rundown**
- **High movement capability**
- **Adhesion**—Strong adhesion to common construction substrates, such as wood, block, concrete, OSB, glass mat sheathing, metal, vinyl and PVC
- **Compatibility**—Compatible with most GCP air and weather barrier systems

Product Advantages

- No primer
- No staining or residue rundown
- High movement capability
- Strong adhesion
- Compatibility

Application Procedures

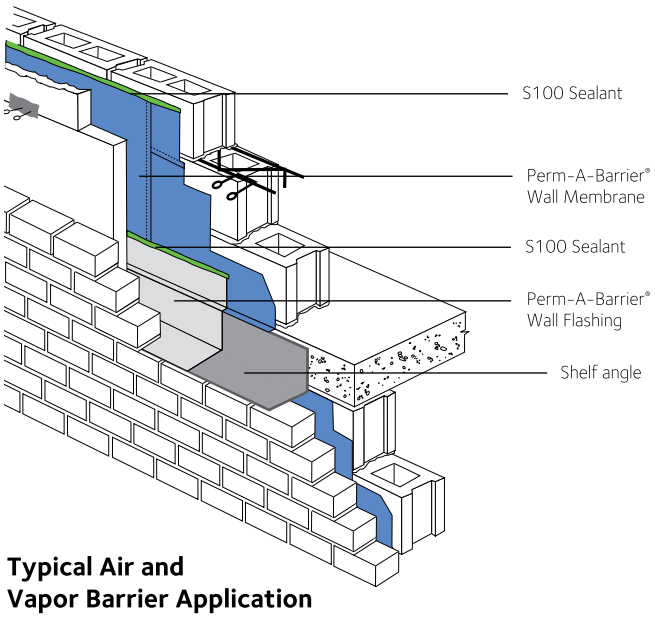
Safety, Storage and Handling Information

Refer to product label and Safety Data Sheet (SDS) before use. All users should acquaint themselves with this information prior to working with the material. Carefully read detailed precaution statements on the product labels and SDS before use. SDSs are available at gcpat.com.

S100 Sealant is available in 29 fl oz (0.858 L) cartridges. S100 Sealant has a shelf life of 12 months from the date of manufacture when stored in the original unopened cartridges between 40°F (4°C) and 80°F (27°C).

Surface Preparation

All surfaces must be clean, dry and free from dirt, grease oil, dust or other contaminants. S100 Sealant may be applied at temperatures of 20°F (-6.67°C) and above. When installing S100 in temperatures below 40 °F (4°C) the material should be kept in a heated truck or trailer prior to application.



Typical Air and Vapor Barrier Application

Application

Apply S100 Sealant with a caulking gun. When used as a seal for finished terminations, edges of patches and overlaps in detail areas, level the bead with a trowel to a minimum 0.125 in. (3 mm) thickness and 0.5 in. (13 mm) to 1 in. (25 mm) width.

When sealing penetrations, apply a 1 in. (25 mm) fillet to the base of the penetration and overlap onto the GCP air and weather barrier material and penetrant a minimum of 2.5 in. (64 mm).

When used to treat sheathing joints for GCP fluid-applied air and weather barrier membranes, completely fill the sheathing joint with sealant and then install a scratch coat of sealant with a margin trowel or similar onto the face of the sheathing approximately 1 in. (25 mm) on each side of the sheathing joint. Once the sealant is tack free, the fluid applied membrane may be applied, refer to the applicable product data sheets for detailed application instructions.

Cleaning

Clean tools and equipment with mineral spirits. Mineral spirits is a combustible liquid and should be used only in accordance with the mineral spirits manufacturer's safety recommendations. Do not use solvents to clean hands or skin.

Limitations

S100 Sealant should not be used in the following applications:

- Below grade
- End of day terminations
- Under GCP air and weather barrier membranes and flashing, except when used as a joint treatment for GCP fluid-applied membranes.
- When terminating against Perm-A-Barrier® VPS
- Not for use with building materials that bleed oils, plasticizers or solvents
- Firestopping applications

Supply

S100 Sealant	
Unit size	29 fl oz (0.858 L) cartridge
Packaging	10 cartridges/carton; 42 cartons/pallet

Physical Properties

Property	
Color	Green
Tack Free Time	1-2 hours
Cure Time	7-14 days*
Full Adhesion	7-14 days*

Physical Properties

Typical Cured Properties After 7 days cure at 77°F (25°C), 50% R.H.		
	Typical Value	**Test Method**
Hardness (Shore A)	20	ASTM C661
Elongation	1000%	ASTM D412
Modulus @ 100% Elongation	30 psi	ASTM D412
Ultimate Tensile Strength	120 psi	ASTM D412
Tear Strength	30 pli	ASTM D624

*Curing and full adhesion time will vary depending on temperature and humidity

gcpat.com | Customer Service: 1-866-333-3726

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