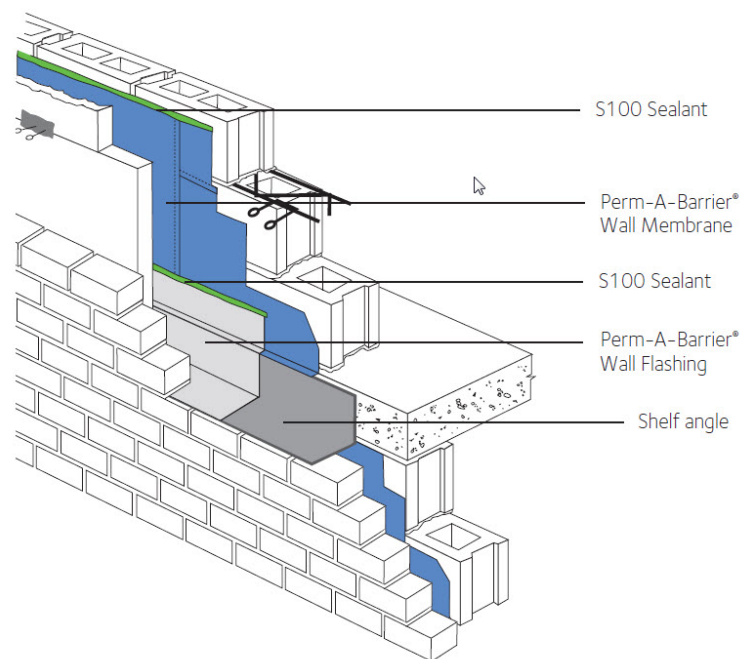


PERM-A-BARRIER® S100 Sealant (US Version)

PERM-A-BARRIER® S100 sealant is designed for a variety of uses with GCP Applied Technologies' air and weather barrier systems.

Product Description

PERM-A-BARRIER® S100 sealant is designed for a variety of uses with GCP Applied Technologies' air and weather barrier systems.



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.

Product 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

Application Procedures

Safety, Storage and Handling Information

Read and understand the product label and Safety Data Sheet (SDS) for each system component. All users should acquaint themselves with this information prior to working with the products and follow the precautionary statements. SDSs can be obtained by contacting your local GCP representative or office, by calling GCP toll free at 1-866-333-3SBM (3726) and in some cases from our web site at gcpat.com.

S100 Sealant is available in two different sizes 20 fl oz (0.591 L) sausages and 29 fl oz (0.858L) cartridges. S100 Sealant has a shelf life of 12 months from the date of manufacture when stored in the original unopened sausages between 40 °F (4 °C) and 80 °F (27 °C).

The Volatile Organic Compound (VOC) content is <30 g/L.

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 above 20 °F (-6.67 °C) and above.

Product Application

Apply S100 Sealant with a caulking or sausage 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	20 fl oz (0.591 L) sausage	
Packaging	12 cartridges/carton; 48 cartons/pallet	10 cartridges/carton; 42 cartons/pallet
SAP#	114175	93806

Physical Properties

PROPERTY

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

Typical cured properties after 7 days cure at 77°F (25°C), 50% R.H.

	TYPICAL VALUE	TEST METHOD
Hardness (Shore A)	>15	ASTM C661
Elongation	>500%	ASTM D412
Ultimate Tensile Strength	120 psi	ASTM D412
Modulus @ 100% Elongation	30 psi	ASTM D412
Elastomeric Joint Sealants	Class 25	ASTM C920

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

gcpat.com | North America customer service: 1-866-333-3726

We hope the information here will be helpful. It is based on data and knowledge considered to be true and accurate, and is offered for consideration, investigation and verification by the user, but we do not warrant the results to be obtained. Please read all statements, recommendations, and suggestions in conjunction with our conditions of sale, which apply to all goods supplied by us. No statement, recommendation, or suggestion is intended for any use that would infringe any patent, copyright, or other third party right.

PERM-A-BARRIER is a trademark, which may be registered in the United States and/or other countries, of GCP Applied Technologies Inc. This trademark list has been compiled using available published information as of the publication date and may not accurately reflect current trademark ownership or status.

© Copyright 2018 GCP Applied Technologies Inc. All rights reserved.

This document is only current as of the last updated date stated below and is valid only for use in the United States. It is important that you always refer to the currently available information at the URL below to provide the most current product information at the time of use. Additional literature such as Contractor Manuals, Technical Bulletins, Detail Drawings and detailing recommendations and other relevant documents are also available on www.gcpat.com. Information found on other websites must not be relied upon, as they may not be up-to-date or applicable to the conditions in your location and we do not accept any responsibility for their content. If there are any conflicts or if you need more information, please contact GCP Customer Service.

Last Updated: 2019-07-31

gcpat.com/solutions/products/perm-a-barrier-air-barrier-system/perm-a-barrier-s100-sealant