VincoSeal 7

Single-component, elastomeric, gun-grade polyurethane sealant

Product Description

VincoSeal 7 is a premium, single-component, high-performance, construction grade, elastomeric polyurethane sealant. When cured, it forms a tough, resilient joint seal that resists penetration and abrasion and remains flexible when exposed to weather and aging.

Basic Uses

VincoSeal 7 is a Polyurethane Sealant that is specially formulated to outperform traditional VOC solvent polyurethanes for sealing moving joints in concrete, masonry, metal, and other basic perimeter joint applications. It is ideal for all joints between framing (door and window) and the building structure in both storefront and curtain wall applications to secure a watertight installation.

Features and Benefits

- Single-component formula requires no mixing to help reduce labor cost.
- Joint movement capability ±35% provides excellent flexibility for keeping moving joints weather tight.
- No primer required for most construction materials lowering installation costs.
- Weather resistant for long-lasting weathertight seals.
- Wide temperature application range makes *VincoSeal 7* suitable for all climates.
- Sealant may be painted 30-45 minutes after application.
- Meets VOC requirements in all 50 states.

Applications

- Interior and exterior
- Expansion points
- Aluminum and wood window frames
- Store front assemblies

Substrates

- Concrete
- Masonry
- Aluminum
- Wood
- Clay & concrete roof tiles
- Stucco
- Natural Stone

Colors

Black White Grey

Stone Bronze

Curing Time

The cure time of *VincoSeal 7* varies with the temperatures and humidity of the climate in which it is used. The following times are approximate and subject to change within varying climates.

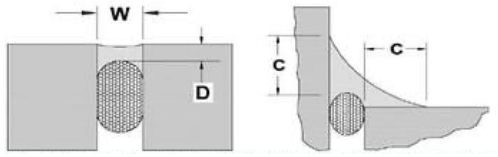
- **Skins: overnight or within 24 hours**
- **Full Cure: approximately 1 week**

For Best Performance

- In cool or cold weather, store container at room temperature for at least 24 hours before using.
- Allow longer cure times at lower temperatures and humidities.
- *Vinco* Sealant can be applied below freezing temperatures only if substrates are completely dry, free of moisture and clean.

For Best Performance

W=Sealant width, D = Sealant depth, C = Contact area



Expansion Joints- The minimum width and depth of any sealant application should be ¼" x ¼" (6mm x 6mm). The depth (D) of sealant may be equal to width (W) of joints less than ½" wide. For joints from ½" to 1" (13mm to 25mm) wide, the sealant depth should be approximately one-half of the joint width. The maximum depth (D) of any sealant application should be ½" (13mm).

How to Apply

- The product may be used in sealant joints designed in accordance with SWR Institute's Sealants – The Professional's Guide.
- To maintain the recommended sealant depth, install backer rod. Do not prime or puncture rod.

Clean Up

Tooling is recommended immediately after application to ensure firm, intimate contact with the joint interface. Dry tooling is preferred. Cleaning can be accomplished with solvents such as IPA, MEK, Toluene or Xylol while sealant is in an uncured state.

Test Date

PROPERTY	RESULTS	TEST METHOD
Tensile strength, psi (MPa)	2.0	ASTM D 412
Tear strength, pli	50	ASTM D 1004
Ultimate elongation at break, %	700	ASTM D 412
Rheological, (sag in vertical displacement) at 120°F (49°C)	No sag	ASTM C 639
Hardness, Shore A At standard conditions	25-30	ASTM C 661
Cracking and chalking, after heat aging	None	ASTM C 792
Tack-free time, hrs, (maximum 72 hrs)	Passes	ASTM C 679
Stain and color change	Passes	ASTM C 510
Adhesion* in peel after **UV radiation through glass** (min. 5 pli)	Passes	ASTM C 794
Artificial weathering, Xenon arc, 3,000 hours	Passes	ASTM C 793
Sound Transmission Class STC (dB)	45	ASTM E 90

Typical Properties

PROPERTY	VALUE
Service Temperature Range, °F	-40 to 180
Shrinkage	None