

# NEOGARD High Solids Silicone

Up to  
**20-year**  
full-system  
warranty

NEOGARD's High Solids Silicone roof coating systems can help you achieve a 50% reduction in roof lifecycle costs compared to a total tear-off with a faster return to service.

Why re-roof and incur the costly expenses of a tear-off when you can renew your roof using NEOGARD's High Solids Silicone roof coating system and avoid the time-consuming downtime of a complete roof replacement.

Silicone roof coating systems can be applied over virtually any existing roof to provide a seamless, monolithic waterproofing membrane that protects your roof from leaks, environmental exposure, UV degradation, and ponding water.

Notable for:

- Up to 20-year full-system warranty
- Resistance to ponding water
- Withstands UV degradation
- Environmentally friendly
- Reflective cool roof coating



## High Solids Silicone

### 7870 High Solids Silicone

A single-component, moisture cured, weather-protective, silicone roof coating for use on the following roof types:

- Single-ply (TPO, PVC, EPDM...)
- Metal
- Smooth-surface BUR and granulated cap sheet
- Polyurethane foam
- Structural concrete and canopies

### 70695 Silicone Mastic

A 100% solids, high-build silicone mastic sealant that can be used for repairs and detailing.

### 70998 Silicone Sealant

A medium-modulus silicone sealant designed for roofing and joint applications.

### 7710 Single Ply Primer

A plasticizer-free, single-component, water-based acrylic primer for use over aged single-ply, TPO, EPDM, and PVC roofing membranes to improve adhesion.

### 7711 Bleed Block Primer

Primer is applied over smooth asphalt roof surfaces to improve adhesion of silicone roof coatings. The Bleed Block Primer acts as a barrier between the asphalt and the silicone roof coating to prevent yellowing of the silicone coating due to chemicals bleeding out from the asphalt.



## Cured Properties

Description	Test Method	Results
Tensile Strength	ASTM D412	247 psi
Elongation	ASTM D2370	237%
Reflectivity	ASTM C1549	89 (7870 only)
Emissivity	ASTM C1371	90 (7870 only)
SRI		113 (7870 only)
Shore A	ASTM D2240	37
Flammability	ASTM E108	Class A
Weathering, QUV	ASTM G154	No degradation @ 5,000 hours
Permeance	ASTM E96	10.7 perms @ 20 mils 100 °F (38 °C), 90% RH

## 7870 Product Data

Description	Test Method	Results
Tack-Free Time		1-2 hours
Cure Time		1-4 hours
VOC		<50 g/L
Solids (volume)	ASTM D2369	90% (±3%)
Flash Point		141 °F (60 °C)
Shelf Life		1 year