

High Solid Silicone Coating System

Neogard® High Solid Silicone (HSS) roof 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 expense of a tear-off? Renew your roof with an HSS coating system instead. Save money and installation time, and avoid the downtime caused by 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 building from leaks, environmental exposure, UV degradation, and ponding water.

Silicone Topcoat

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

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

Notable For

- ✓ Up to a 20-year full-system warranty
- ✓ Withstands UV degradation
- ✓ Resistance to ponding water
- ✓ Environmentally friendly
- ✓ Heat reflective resulting in a cool roof coating



7870 HSS topcoat on a modified bitumen roof



7711 Bleed Block Primer

Bleed Block Primer

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

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.

Silicone Sealant

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

Silicone Mastic

A 100% solids, high-build silicone mastic sealant that can be used for repairs and detailing on the following roof types:

- ✓ Smooth-surface BUR and granulated cap sheet
- ✓ Structural concrete and canopies
- ✓ Metal
- ✓ Polyurethane foam
- ✓ Single ply

Cured Properties - 7870 Topcoat

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



Silicone Mastic Applications



HSS 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	92% (±3%)
Flash Point		141 °F (60 °C)
Shelf Life		1 year

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