

Features and Components

Ceramic-Coated Roofing Granules: Specifically engineered for optimal embedment in the bitumen. These granules are colored with durable pigments, bonded in a ceramic matrix and treated to promote excellent long-term adhesion.



Component
ST Surface Treatment
Multi-Ply
Type
M Membrane
PT Protection

Color
White

System Compatibility This product may be used as a component in the following systems. Please reference product application for specific installation methods and information.

Multi-Ply	BUR		APP		SBS		
	HA	CA	CA	HW	HA	CA	SA
<i>For use as a surfacing material in asphalt roofing products</i>							

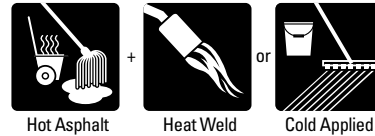
Single Ply	TPO		PVC		EPDM	
	MF	FA	MF	FA	MF	BA
<i>Not for use in Single Ply systems</i>						

Key: HA = Hot Applied CA = Cold Applied HW = Heat Weldable SA = Self Adhered MF = Mechanically Fastened FA = Fully Adhered BA = Ballasted

Physical Properties

Property	Value / Performance
Dust	0.2% Maximum <100 Mesh US Sieve (150 mm) (3M TM045)
Deoiled Color	Shipments will be + 1.0 unit to standard for L*a*b* (3M TM007)
Moisture Content	0.3% Maximum (3M TM057)
Color Durability	Has been proven by long-term field performance and accelerated weathering tests
Opacity	Roofing Granules are opaque to protect the asphalt substrate from the effects of sunlight
Hardness	6.0-7.0 Moh's Mineral Scale
Bulk Density	90-96 lbs./ft.3 Packed (3M TM058)
Specific Gravity	2.55-2.70 (3M TM001)

Installation/Application



Grade (ASTM D 451)

U.S. Sieve No.	Nominal Opening	% Retained Specification		
		Minimum	Maximum	Typical
8	2.36 mm	0.0	0.1	—
12	1.70 mm	4.0	10.0	—
16	1.18 mm	—	—	30-50*
20	850 µm	—	—	20-40*
30	600 µm	—	—	10-30*
40	425 µm	—	—	1-10*
-40	-425 µm	0.0	2.0	—

*Typical range; not covered