



#90 ALL WEATHER MSR

Mineral Surfaced Roll Roofing

- **Best Value...** Affordable price with superior quality and durability
- **Highest Quality Asphalt...** Unlike most producers, this vertically integrated manufacturing facility processes its own asphalt to ensure the highest quality and consistency
- **Environmentally-Friendly Organic Core...** Made from 100% reclaimed/recycled material (wood chips) with 10% post consumer content (paper)
- **Consistent Saturation...** For superior moisture resistance and code compliance
- **Versatile...** Economical solution for any low sloped residential or commercial projects with slopes of at least 1" per foot
- **Clearly Marked Lap Line...** for ease of use and installation
- **Wide Color Selection...** available in a wide range of popular colors

Description

CMI #90 ALL WEATHER Mineral Surfaced Roll Roofing is a premium quality organic roll constructed with a heavyweight organic felt that is impregnated with an asphalt saturant and then coated with a weathering-grade asphalt coating on both sides. The roll is surfaced with ceramic coated mineral granules for UV protection and weather resistance.

Uses

- A premium grade roll designed for general use as a cap sheet on low sloped roofs. #90 ALL WEATHER MSR weatherproofing membrane serves as an efficient and economical surface for low sloped roofing projects. Frequently used for residential low sloped roofs in addition to application on porches, carports and garages.
- Also used for systems comprised of a hot-asphalt applied MSR roll over a properly installed ASTM D226 30# saturated felt under tile installations.

Storage

Always store rolls upright on pallets and in a dry protected area.

Availability

#90 All Weather MSR is available in the western, midwest, and south central regions and the south Florida market. Check with your CMI representative for availability.

Warranty

CMI #90 ALL WEATHER Mineral Surfaced Rolls are warranted to be free from manufacturer's defects and suitable for the intended use as a roof system component.

Product Characteristics

90 ALL WEATHER MSR is a premium quality asphalt-coated organic cap sheet that meets the requirements of ASTM 6380-03, Class M, Type II (ASTM D249-89).

Physical Properties

SPECIFICATION	UNITS	ASTM	TYPICAL
WEIGHT	Lb	80.2	81
LENGTH	Ft	32'11"	32'11"
WIDTH	In	39-3/8	39-3/8
AREA	ft ²	108	108
LAP LINES	-	-	1 at 2"

Composition

SPECIFICATION	UNITS	ASTM	TYPICAL
DRY FELT	lb/100ft ²	9.0	9.27
SATURANT	lb/100ft ²	13.5	14.60
TOP COATING	lb/100ft ²	18.5	19.60
BACK COATING	lb/100ft ²	-	3.00
GRANULES	lb/100ft ²	24.0	26.00
BACK SURFACE	lb/100ft ²	-	2.50

Performance Requirements

SPECIFICATION	ASTM	TYPICAL
PLIABILITY AT 77 °F AN 1/2 " RADIUS No. OF FAILURES PER TEN STRIPS	2	0
BREAKING STRENGTH lbf/in (min) with the fiber grain across fiber grain	49 23	35 min 20 min
GRANULE LOSS, GRAMS, MAX WEIGHT LOSS	1.0	0.8
BEHAVIOR ON HEATING @ 176 °F, 2h	1.5	0.35

Sampling and Test Methods

#90 All Weather MSR is tested in accordance with the following ASTM STANDARDS:

D146 SAMPLING AND TESTING BITUMEN SATURATED FELTS AND WOVEN FABRICS FOR ROOFING AND WATERPROOFING

D228 TEST METHODS FOR ASPHALT ROLL ROOFING, CAP SHEETS AND SHINGLES

D249 SPECIFICATION FOR ASPHALT ROLL ROOFING(ORGANIC FELT) SURFACED WITH MINERAL GRANULES

D 6380 Meets ASTM D 6380, Class M, Type II.

D4977 TEST METHOD FOR GRANULE ADHESION TO MINERAL SURFACED ROOFING BY ABRASION

ALL DEFINITIONS AND TERMS USED IN THIS SPECIFICATION REFER TO DEFINITION D1079.