



#90 ALL WEATHER MSR

Mineral Surfaced Roll Roofing

- **Best Value...** Affordable price with superior quality
- **Highest Quality Asphalt...** Unlike most manufacturers, we process our own asphalt to ensure 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.

Storage

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

Availability

#90 All Weather MSR is available in the western region. Check with your CMI representative for availability.

Product Characteristics

#90 ALL WEATHER MSR is a premium quality asphalt-coated organic cap sheet that meets the requirements of ASTM 6380-01, 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	49	35 min
across fiber grain	23	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

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

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