

EPDM Roofing

Ethylene Propylene Diene Monomer, or simply EPDM roofing, is another option for low slope roofing applications. EPDM is a synthetic rubber single ply roof system for flat roof applications. The most popular kind of EPDM roofing is the firestone EPDM roof system, which is based on a high performance synthetic rubber compound, providing exceptional weathering characteristics. The EPDM roofing membrane is used primarily for larger “Box” type building construction.

Characteristics of the EPDM Roof System

Developed in America in the 1960's, EPDM roofing is designed to exhibit superior flexibility, high strength, and outstanding weathering in practically all climates. EPDM roofing withstands temperatures ranging from -45 to 100 degrees Celsius, and displays no signs of ageing. The EPDM roof will not crack, split, or peel, and is completely resistant to atmospheric pollution. This type of roof system is also environmentally friendly, and is not affected by UV light and ozone. The elasticity of EPDM roofing allows it to elongate to over 300% to accommodate temperature cycling and building movements. The life expectancy of an EPDM roof system is approximately 20 years and almost no maintenance is required during this time period.

EPDM roofing rolls comes in various sizes and can be custom ordered to minimize lap joints that cause roof leaks. Attention to detail when waterproofing laps is essential to the integrity of the entire roof system as lap joints are glued together. This is unlike TPO/PVC roof system lap joints that are heat welded.