



Science For A Better Life

The **SUSTAINABLE** Choice

Bayer MaterialScience spray-applied polyurethane foam (SPF) insulation provides critical air sealing and a high R-value (resistance to heat flow) for your school, office or home. Bayer MaterialScience SPF contributes to the United States Green Building Council's Leadership in Energy and Environmental Design (LEED) criteria. While providing superior insulation properties, Bayer MaterialScience SPF contributes to LEED points by providing recycled and renewable content as well as being a recognized low emitting insulation product.



RECYCLED CONTENT

Bayer MaterialScience SPF includes recycled plastics including polyethylene terephthalate (PETE) used in production of beverage and food containers. Recycled content will vary however typical values are:

PRODUCT	RECYCLED CONTENT*
Bayseal™ 2.5, 2.7 & 3.0	> 2.5%
Bayseal™ CC & Polar	> 5.5%
Bayseal™ CC X & XP	> 5.5%
EcoBay™ CC & Polar	> 5.5%
EcoBay™ CC & Arctic CAN	> 5.5%

* By mass

RENEWABLE CONTENT

Bayer MaterialScience SPF utilizes renewable content claimed from sugar beets or sugar cane. Renewable content will vary however typical values are:

PRODUCT	RENEWABLE CONTENT*
Bayseal™ CC & Polar	> 2.5%
Bayseal™ CC X & XP	> 2.5%
Bayseal™ OC	> 5%
EcoBay™ CC & Polar	> 2.5%
EcoBay™ CC & Arctic CAN	> 2.5%

* By mass

LOW EMITTING INSULATION

Bayseal™ and EcoBay™ SPF systems have been listed with the Collaboration for High Performance Schools as low emitting insulation products. CHPS.net requires testing to strict California section 01350 protocol. LEED eligible products include:

- Bayseal™ CC & Polar
- Bayseal™ CC X & XP
- Bayseal™ OC
- EcoBay™ CC & Polar
- EcoBay™ CC & Arctic CAN



LOW EMITTING SEALANT

Bayer MaterialScience spray-applied polyurethane foam (SPF) systems qualify under the criteria established in LEED as Low Emitting Sealants, and contribute toward EQ credit 4.1. The foam blowing agents used in Bayseal™ and EcoBay™ SPF systems are not classified as VOCs (Volatile Organic Compounds) as defined by the U.S. Environmental Protection Agency in 40 CFR 51.100(s). To qualify for LEED EQ Credit 4.1 as a Low Emitting Sealant, the Bayseal™ and EcoBay™ SPF systems must meet the criteria in Rule No. 1168 from South Coast Air Quality Management District (SCAQMD). This rule establishes a VOC limit of 50 g/L for Plastic Foams, as tested by USEPA Reference Method 24. The following products contribute towards EQ Credit 4.1 with <50 g/L of VOC:

PRODUCT

Bayseal™ 2.5, 2.7 & 3.0
Bayseal™ OC
Bayseal™ CC & Polar
Bayseal™ CC X & XP
EcoBay™ CC & Polar
EcoBay™ CC & Arctic CAN

COOL ROOF / HEAT ISLAND EFFECT

Projects earn 1 LEED point for the use of roofing materials having a solar reflectance index (SRI) of at least 78 for low-sloped roofs (72:12) or at least 29 for steep-sloped roofs (>2:12), and covering at least 75 percent of the roof surface (or in combination with a vegetated roof as described above). A Bayer MaterialScience roofing system utilizing Bayblock™ II & Bayblock HT, Baytec Sil 70, Baytec Sil 100 and SCM 3402 (SRI >80) for at least 75 percent of the roof surface complies with this requirement or use of vegetated roof over 50 percent of the roof surface. For a complete listing of applicable roof coverings see www.coolroofs.org.



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The manner in which you use and the purpose to which you put and utilize our products, technical assistance and information (whether verbal, written or by way of production evaluations), including any suggested formulations and recommendations are beyond our control. Therefore, it is imperative that you test our products, technical assistance and information to determine to your own satisfaction whether our products, technical assistance and information are suitable for your intended uses and applications. This application-specific analysis must at least include testing to determine suitability from a technical as well as health, safety, and environmental standpoint. Such testing has not necessarily been done by us. Unless we otherwise agree in writing, all products are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. It is expressly understood and agreed that you assume and hereby expressly release us from all liability, in tort, contract or otherwise, incurred in connection with the use of our products, technical assistance, and information. Any statement or recommendation not contained herein is unauthorized and shall not bind us. Nothing herein shall be construed as a recommendation to use any product in conflict with any claim of any patent relative to any material or its use. No license is implied or in fact granted under the claims of any patent.