

Effisus Façade sealing

PRODUCT DESCRIPTION

Effisus Ecofacade is a unique surface sealing system based on EPDM rubber, using which even complex problems can be solved in a long-term, environmentally sustainable and thus economically optimal manner. The chemical constitution of the synthetic EPDM rubber gives our Effisus Ecofacade sealing sheets a life of several decades. The excellent durability against weather conditions such as light, ozone, acids and leaching form an important part of the characteristics of EPDM rubber products. This is also the case for the lasting flexibility, elongation at failure, good tensile strength and the wide range of temperature application (-40°C to +120°C).

EPDM has excellent aging resistance and is perfectly suited to applications where these properties are required. As well as sealing façades, flat roofs, grass roofs, ponds, wastewater treatment plant pools, sealing acid tanks etc. the excellent properties and high quality of the "rubber products" are just as well known in the fields of window and door sealing, vehicle construction and structural sections.

Effisus Ecofacade Membranes have proved their suitability for sealing structures over an application period of more than 30 years.

An SKZ study in Würzburg quotes a service life of considerably more than 50 years for the life expectancy of an EPDM seal.

For over 30 years Effisus Ecofacade Membranes have been supplied for for sealing façades. Because of the long life of EPDM sealings and the excellent properties even after long exposure to the elements, we have not yet had to take back any old sheets or covers and send them for recycling as they continue to fulfil their sealing function all over the world today. In the production of our materials we pay great attention to avoiding any possible detrimental influence weather influence and to keeping the rejection rate as low as possible. Production site factory has an environmental management system in accordance with DIN EN ISO 14001.

INDOOR ENVIRONMENTAL QUALITY (IEQ) - LEED CATEGORY

IEQ CREDIT 4.1: Low Emitting Mat.: Adhesives and Sealants	1 Point	Requirements fulfilled
IEQ CREDIT 4.2: Low Emitting Mat.: Paints and Coatings	1 Point	not applicable
IEQ CREDIT 4.3: Low Emitting Mat.: Flooring Systems	1 Point	not applicable
IEQ CREDIT 4.4: Low Emitting Mat.: Comp. Wood & Agrifibre Prod.	1 Point	not applicable

MATERIALS AND RESOURCES (MR) - LEED CATEGORY

MR CREDIT 4: Recycled Content:	1-2 Points	No Information
MR CREDIT 5: Regional Materials:	1-2 Points	See location
MR CREDIT 6: Rapidly Renewable Mat.:	1 Point	not applicable
MR CREDIT 7: Certified Wood:	1 Point	not applicable

IEQ Credit 4.1: Low Emitting Materials: Adhesives and Sealants

Aim:

Reduction of indoor air pollutants that develop due to adhesives and sealants used on building sites and negatively affect the well-being of workers and users as a result of odour, irritating elements or elements that are harmful to health.

Requirement:

All adhesives, sealants and primers used on building interiors must comply with the following standard:

- Volatile organic compound (VOC) limits according to South Coast Air Quality Management District (SCAQMD) Rule #1168

Product	Credit	Product group	Permiss. VOC- Level in g/l	VOC- level in g/l	Compli- ance
Effisus Bonding KF Adhesive pasty construction adhesive based on synthetic rubber for gluing EPDM façade strips to rough an uneven subsurfaces	IEQ Credit 4.1	Architectural Applications -Multipurpose construction adhesives	70	224	—
Effisus Bonding KF + Adhesive pasty construction adhesive based on polyurethane for gluing EPDM façade strips to rough an uneven subsurfaces	IEQ Credit 4.1	Architectural Applications -Multipurpose construction adhesives	70	13	✓
Effisus Bonding KT Adhesive adhesive based on synthetic rubber and synthetic resin for gluing EPDM façade strips to planar subsurfaces	IEQ Credit 4.1	Specialty Applications - Contact Adhesive	80	530	—
Effisus Block JP Sealant Silicon rubber for sealing connections	IEQ Credit 4.1	Sealants - Other	420	25	✓
Effisus Coat NP Primer Primer for gluing EPDM façade strips to porous subsurfaces	IEQ Credit 4.1	Sealant Primer - Architec- tural, Porous	775	533	✓
Effisus Setup PR Cleaner For Cleaning gluing subsurfaces	IEQ Credit 4.1	Sealant Primer - Other	750	730	✓
Effisus Ecofacade Membranes EPDM sealing sheets for façade sealing	IEQ Credit 4.1	Sealants - Other	420	0	✓
Effisus Ecofacade SA-Edge Membrane EPDM sealing sheets for façade sealing with adhesive edge	IEQ Credit 4.1	Sealants - Other	420	0	✓
Effisus Ecofacade P-Fix Membrane EPDM sealing sheets for façade sealing with clip-on profile	IEQ Credit 4.1	Sealants - Other	420	0	✓

MR Credit 4: Recycled Content

Aim:

Increased use of products made from recycled materials in order to reduce environmental pollution by reclaiming primary raw materials and subsequent processes.

Requirement:

Use of materials with recycled content¹⁾, which is composed so that the total of the „post-consumer recycled content“²⁾ plus half of the „pre-consumer recycled content“³⁾ is at least 10% (1 Point) or 20% (2 Points) of the total cost of the materials used in the project.

Product	Credit	Recycling part	Compliance
Effisus Bonding KF Adhesive	MR Credit 4	No information available	—
Effisus Bonding KF+ Adhesive	MR Credit 4	No information available	—
Effisus Bonding KT Adhesive	MR Credit 4	No information available	—
Effisus Block JP Sealant	MR Credit 4	No information available	—
Effisus Coat NP Primer	MR Credit 4	No information available	—
Effisus Setup PR Cleaner	MR Credit 4	No information available	—
Effisus Ecofacade Membrane	MR Credit 4	No information available	—
Effisus Ecofacade SA-Edge Membrane	MR Credit 4	No information available	—
Effisus Ecofacade P-Fix Membrane	MR Credit 4	No information available	—

1) Recycled content is defined in accordance with ISO 140241 - „Environmental labelling and declarations Environmental product self - declarations“ (Environmental label type II)

2) „Post - consumer materials“ are defined as waste products generated by households, commercial or industrial facilities or institutions in their function as end users of the product and can no longer be used for the intended purpose.

3) „Pre - consumer - materials“ are separated from waste during the production process. The reuse of materials from post-processing and re-grinding waste that is created as part of a technical process and can be reused as part of the same process is not included.

MR Credit 5: Regional Materials

Aim:

Increased use of materials and products that are manufactured regionally and whose raw materials are extracted from the region in order to support local products and reduce environmental pollution.

Requirement:

Use of materials and products that are produced within a radius of 800 km and whose raw materials are extracted, harvested or recycled within 800 km. The proportion of regional materials or products gains the building project at least 10 % (1 Point) or 20 % (2 Points) of overall cost.

Product	Credit	Place of raw material extraction	Place of production	Compliance
Effisus Bonding KF Adhesive	MR Credit 5	No information available	No information available	—
Effisus Bonding KF+ Adhesive	MR Credit 5	No information available	No information available	—
Effisus Bonding KT Adhesive	MR Credit 5	No information available	No information available	—
Effisus Block JP Sealant	MR Credit 5	No information available	No information available	—
Effisus Coat NP Primer	MR Credit 5	No information available	No information available	—
Effisus Setup PR Cleaner	MR Credit 5	No information available	No information available	—
Effisus Ecofacade Membrane	MR Credit 5	No information available	D-66687 Büschfeld	—
Effisus Ecofacade SA-Edge Membrane	MR Credit 5	No information available	D-66687 Büschfeld	—
Effisus Ecofacade P-Fix Membrane	MR Credit 5	No information available	D-66687 Büschfeld	—

Warning:

This data sheet is not an official LEED certificate. The requirements can be interpreted differently and are dependent on the relevant project and purpose. For this reason, Duraproof technologies GmbH cannot accept any liability for the product in terms of LEED criteria. The user of the data sheet, the person using or buying the product or the consultant / planer who recommends the product is not absolved from examining the product for the intended use at their responsibility. This content does not constitute a legal relationship. The previous information shall no longer be valid after the publication of the new edition of this declaration.

Up-Way Systems
Rua Dr. Oliveira Salazar, n° 88
4780-453 Santo Tirso

Phone: +351 252 809 121
www.upwaysystems.com

