



Sustainability system data sheet

Description	<p>Triflex ProTect is a 2-component, pigmented waterproofing resin with a polymethyl methacrylate resin (PMMA) base. Triflex ProTect is reinforced with Triflex Reinforcement Fleece. The waterproofing resin is used on flat (<15°) and pitched roofs for new builds and refurbishment.</p>
System components	<ul style="list-style-type: none"> • Triflex ProTect • Triflex Reinforcement Fleece • Triflex Catalyst
System build-up	 <p>The diagram illustrates the system build-up with four distinct layers. From top to bottom, they are: Finish (a thin grey layer), Waterproofing (a thicker dark grey layer), Primer (a very thin black layer), and Substrate (the base concrete or masonry). A blue 'X' logo is visible on the primer layer.</p>
Sustainability properties	<ul style="list-style-type: none"> • Free from solvents as per Directive 2004/42/EC (Decopaint Directive) • Free from lead, cadmium and tin stabilisers • Free from halogens • Free from formaldehyde • Free from phthalate plasticisers • Free from blowing agents • VOC content, based on SCAQMD method 304-91 $\leq 0.9 \%$ • SVHC content (substances of very high concern) $< 0.1 \%$ • Compliance with the EU REACH Regulation is ensured by the "Environment & Safety" department of our parent company Follmann Chemie GmbH.
Classification	<ul style="list-style-type: none"> • Model EPD EPD-DBC-20190116-IBE1-EN • GISCODE RMA10 • ETA ETA-03/0020 • BBA 13/5051 • UKTA 0836-22/6228
Technical documentation	<p>The product information on the individual system components can be found on our website at www.triflex.co.uk, where you will also find CAD details, System overviews, Product data sheets, Colour cards and certification etc.</p>
Disposal/recycling	<p>Fully cured PMMA surfaces can be overcoated. When the applied Triflex product reaches the end of its life, it is removed from the substrate using suitable mechanical methods. According to current knowledge, cured PMMA as well as old coatings from dismantling measures should be disposed of as mixed construction waste due to possible adhesion of other substances.</p>



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Building certifications - DGNB

Triflex ProTect complies with DGNB criterion ENV 1.2 (2018 version). The quality levels (QL) build on each other. QL 1 is the lowest level, QL 4 is the highest. The requirements of a higher QL incorporate successful implementation of all stated requirements of the lower levels.

No.	Construction material	Substances considered	QL 1	QL 2	QL 3	QL 4
22	PMMA and PMMA/epoxy coatings for floors (and wall surfaces (e.g. plinths)) with special requirements and liquid applied waterproofing	VOC			Yes (RMA10 or RMA15)	Yes (RMA10 or RMA15)

LEED

Properties of Triflex ProTect which can be relevant to the LEED criteria (v4, 2015):

"Materials & Resources"

Model EPD	EPD-DBC-20190116-IBE1-EN
Recycled material content	0 %
SVHC content	≤ 0.1 %
REACH	Compliance with the EU regulation is ensured by the "Environment & Safety" department of our parent company Follmann Chemie GmbH.
VOC content based on SCAQMD method	12.2 g/l = 0.9 %
Production location	Triflex GmbH & Co. KG Karlstrasse 59 32423 Minden Germany

BREEAM

Properties of Triflex ProTect which can be relevant to the BREEAM criteria (int. 2016):

MAT 01 "Life cycle impacts"

Model EPD	EPD-DBC-20190116-IBE1-EN
Life cycle assessment	<ul style="list-style-type: none"> This product does not contain any substance that is regarded as persistent, bioaccumulative or toxic (PBT). We do not have any quantitative data on the ecological effect of this product.

MAT 03 "Responsible Sourcing of Materials"

Management system	<ul style="list-style-type: none"> ISO 9001 ISO 50001
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Occupational health and safety

Our product labels are marked with hazard pictograms together with H and P statements as per the CLP regulations. This allows both potential hazards and safety measures to be recognised at a glance.

When any of our products are delivered to authorised installers for the first time, the English language Safety Data Sheet (SDS) is automatically provided electronically to the health and safety contact at the customer.

When Triflex products are used in well-ventilated outdoor areas (car parks, walkways, balconies, terraces, roofs etc.), on the basis of various measurements carried out; given correct handling, and depending on the nature of the structure, they meet the current occupational exposure limits. This does not relieve the contractor of the obligation to perform a risk assessment and to carry out monitoring. In enclosed areas, we recommend wearing respiratory protection and ensuring a minimum of 7 air changes per hour. For detailed information on the recommended safety measures when using Triflex products, please refer to the relevant SDS.

Disposal/recycling

Subject to testing, fully cured Triflex PMMA surfaces can be overcoated. If the applied Triflex product needs to be removed from the substrate, according to current knowledge, cured PMMA should be disposed of as mixed construction waste due to possible adhesion of other substances and substrates.

Guidelines

The Follmann Chemie Group, of which Triflex (UK) Ltd is part, follows the guidelines of the German Chemical Industry Association (VCI) for Responsible Care. The Follmann Chemie Group has signed the 'Responsible Care Global Charter', and in 2023 was awarded silver status in the EcoVadis sustainability rating. The Follmann Chemie Group follows a sustainability, ethics and environmental policy which forms the basis for our responsible care and sustainable business practice. For further information on this subject and for our sustainability report, visit [here](#).



General information

This information is based on today's current knowledge and experience. The Sustainability system data sheet describes our system with regard to its sustainability properties. The information provide does not constitute a warranty of properties. Changes to the cited certification systems may mean that the stated criteria are no longer up-to-date.