

COELASTIC® EVO

Liquid-applied waterproofing for roofs



COELAN®



Flat roofs – always exposed to stress

Flat roofs are typically exposed to a large amount of stress and have to withstand wind, rain and extreme temperatures, not to mention mechanical and chemical abrasion and wear.

Tension often occurs where the waterproofing has had to be detailed to allow for upstands, penetrations and structural connections. Once the waterproofing is stretched beyond its limits it will tear, resulting in visible cracks. This is a welcome invitation for moisture to penetrate the roof and to seep down into the basic structure of the building.

**The damage has already been done:
the roof is leaking.**





Approval according to ETA (European Organization for technical Approvals) and DIN 18195



COELASTIC® EVO – the liquid-applied solution

Excuse me? Liquid! Can that really prevent moisture ingress?

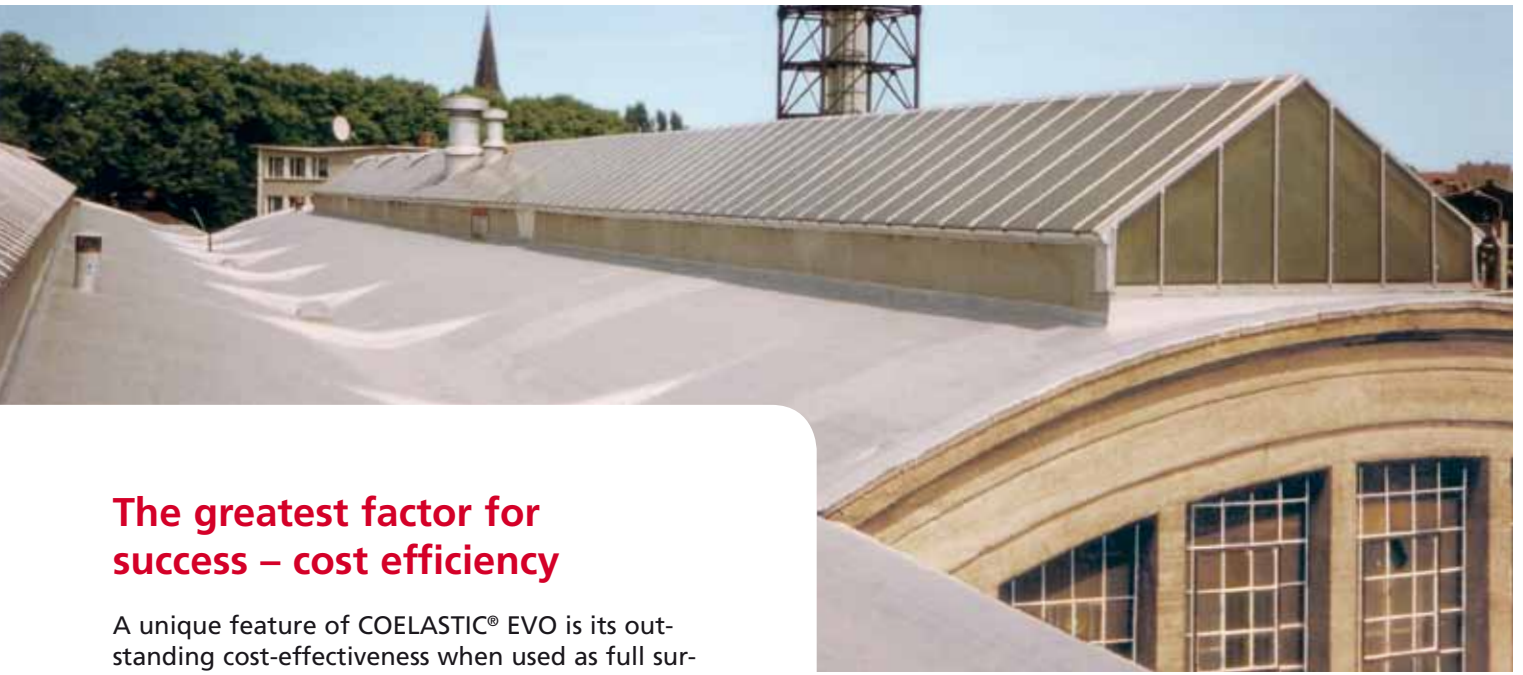
Yes, COELASTIC® EVO is a polyurethane-resin-based waterproofing system that is applied in liquid form and reinforced with a fleece insert. The material cures and forms a bond with the substrate.

The even surface is seamless – also around structural connections - and cannot be penetrated by moisture.

The product characteristics of COELASTIC® EVO

- ready for use
- flexible
- crack bridging
- vapour diffusing
- UV and weather resistant
- resistant to roots and rootstock penetration
- European technical approval ETA-03/0059
- fire class E
- resistant to DIN EN 13501-5 class Roof (t1) – corresponds to DIN 4102 7/B2) – resistant to flying sparks and radiating heat





The greatest factor for success – cost efficiency

A unique feature of COELASTIC® EVO is its outstanding cost-effectiveness when used as full surface roof waterproofing, as a detailed solution for structural connections, or in combination with other waterproofing materials.

Simply open the container, stir and apply. It is that simple. The single component waterproofing is ready for immediate use. It is stirred in the container and applied directly to the substrate. No waiting. No pouring into different containers. Even at critical weak points where conventional materials typically fail (too tight, too small, too low) COELASTIC® EVO can usually still be applied effectively and efficiently.

Try it!

- Application time: 30 min.
- Rainproof after: 60 min.
- Can be walked on after: 24 hrs.
- Fully cured after: 2-3 days

Protection down to the very last detail

Aerials, parapets, lightning conductors, roof edges, outlet vents, manholes, skylight domes, chimneys, wall connections – flat roofs boast a number of classic weak points that are often difficult to waterproof.

But the durability and longevity of a flat roof depend, above all else, on the quality of the detailed waterproofing. The permanently elastic, crack-bridging properties of the liquid-applied waterproofing ensure that maintenance is kept to a minimum. COELASTIC® EVO stops roofs leaking.

Benefit from the advantages!

- Sealed surface
- Seamless, no bond or welding seams
- UV and weather resistant



COELASTIC® EVO – the universal system for all roof types

The liquid-applied waterproofing comes with European technical approval (ETA) and meets all the regulatory requirements placed on roof waterproofing.

We do not make promises we cannot keep.





Institut für Vegetationsökologie
 am Fachbereich 09 für Biologie und Umweltwissenschaften
 der Hochschule Geisenheim

Hochschule
Geisenheim
 University

Prof. Dr. rer. oec. Ingrid Isenhardt
 Leiterin des Instituts für Vegetationsökologie
 Vegetationsökologie
 Fachbereich 09
 Hofgartenstraße 1
 65265 Geisenheim/Rh.

Prof. Dr. rer. oec. Ingrid Isenhardt
 Leiterin des Instituts für Vegetationsökologie
 Vegetationsökologie
 Fachbereich 09
 Hofgartenstraße 1
 65265 Geisenheim/Rh.

Prof. Dr. rer. oec. Ingrid Isenhardt
 Leiterin des Instituts für Vegetationsökologie
 Vegetationsökologie
 Fachbereich 09
 Hofgartenstraße 1
 65265 Geisenheim/Rh.

Prüfbericht
über die Untersuchung der Wurzelfestigkeit von
Bahnen und Beschichtungen für Dachbegrünungen
nach dem FLL-Verfahren (2002)

Produktbezeichnung:
COELASTIC EVO

Auftraggeber:
 KEMPER SYSTEM GmbH & Co. KG
 Holländische Straße 32 - 35
 D - 34266 Vestmar

Bearbeitung:
 Von: Prof. Dr. rer. oec. Ingrid Isenhardt
 Fachbereich 09
 Vegetationsökologie
 Hofgartenstraße 1
 65265 Geisenheim/Rh.

und: Prof. Dr. rer. oec. Ingrid Isenhardt
 Fachbereich 09
 Vegetationsökologie
 Hofgartenstraße 1
 65265 Geisenheim/Rh.

Dieser Bericht ist die 1. Verlängerung des Berichts vom 01.12.2005
 und hat eine Gültigkeitsdauer von 15 Jahren bis zum 01.12.2020.
 Der Bericht umfasst 19 Seiten und darf nur in ungekürzter Form ver-
 wendet werden.



Green roof, wind energy or solar power – equipped for the future

More and more people are discovering that flat roofs provide a new and attractive environment. Green roofs are a current trend. Alternatively, flat roofs are often used to install solar systems. While wind turbines are also a popular choice for generating eco-friendly power. COELASTIC® EVO is just as suitable for sealing the foundations of wind energy systems as it for waterproofing entire roofs.

Needless to say COELASTIC® EVO is resistant to roots and rootstock penetration. This has been officially tested. And in case of technical upgrades, the equipment fittings can also be waterproofed effectively and efficiently with this amazing solution. COELASTIC® EVO offers the foundations on which you can build your own space.

Besides our high quality products we conveniently offer you comprehensive customer service:
A wide range of trained consultants and our technical and sales staff will be pleased to help you.

Our partners and staff are regularly trained in our own training centre. COELAN® manufacturing facilities contain a fully staffed Research and Development department, where our products are regularly tested and advanced.

The COELAN® business process and products are certified under DIN EN ISO 9001:2008 and UM ISO 14001:2004 and so ensure the high quality of its products!

Interested in finding out more?
Then call us or visit us at the Internet!



KEMPER SYSTEM GmbH & Co. KG
Holländische Straße 32-36
D-34246 Vellmar
Phone +49 (0)561 8295-0
Fax +49 (0)561 8295-10
post@kemper-system.com
www.kemper-system.com

KEMPER SYSTEM GmbH & Co. KG
Boschstraße 14-16
D-48653 Coesfeld
Phone +49 (0)2541 920-0
Fax +49 (0)2541 920-400
post@kemper-system.com
www.coelan.com

Issue 07.2016



The information contained in this brochure does not claim to be complete. They do not replace our more detailed information contained in our Technical Data Sheets and Processing Instructions for the application techniques and technical properties of our products.

The technical information contained in here is intended to provide advice to the best of our knowledge. Since conditions for use are conceivable with which we are not familiar, this advice is not legally binding. In addition, we also reserve the right to technical changes in the interest of progress. All previous technical information becomes invalid once this version is published. If you have questions, you have the possibility of taking advantage of our special User Advice. All agreements and assurance must be given in written form. Our Terms of Delivery and Payment apply otherwise.