

Waterproofing roofs and buildings



Watertight is not enough



WATERPROOFING SOLUTIONS
MADE IN GERMANY



*Quality is non-negotiable.
Neither is sustainability.*

Material ecological - a term with meaning. At FRANKEN SYSTEMS, we develop and produce liquid plastic for waterproofing solutions that have a long service life, are easy for the installer and are kind to the environment.

Our liquid plastics are free of plasticisers and solvents. At the same time, they allow work to be carried out in a time- and cost-saving manner.



Why protect your roof?

Roof damage? It shouldn't come to that in the first place! Causes of structural damage often include moisture influences of any kind. Whether it be mould, a damp cellar or water stains on the ceiling - all this is usually due to a defect in the waterproofing or in connection with the insulation.

Most building waterproofing is exposed to extreme conditions. Strong sunlight, icy cold conditions or high water pressure put enormous stress on buildings. Spending a year on a flat roof without a warm jacket or

sunscreen is something the human body would certainly not survive. In this way, the reliable protection of buildings is also important for a long and trouble-free service life.

How do you protect your roof?

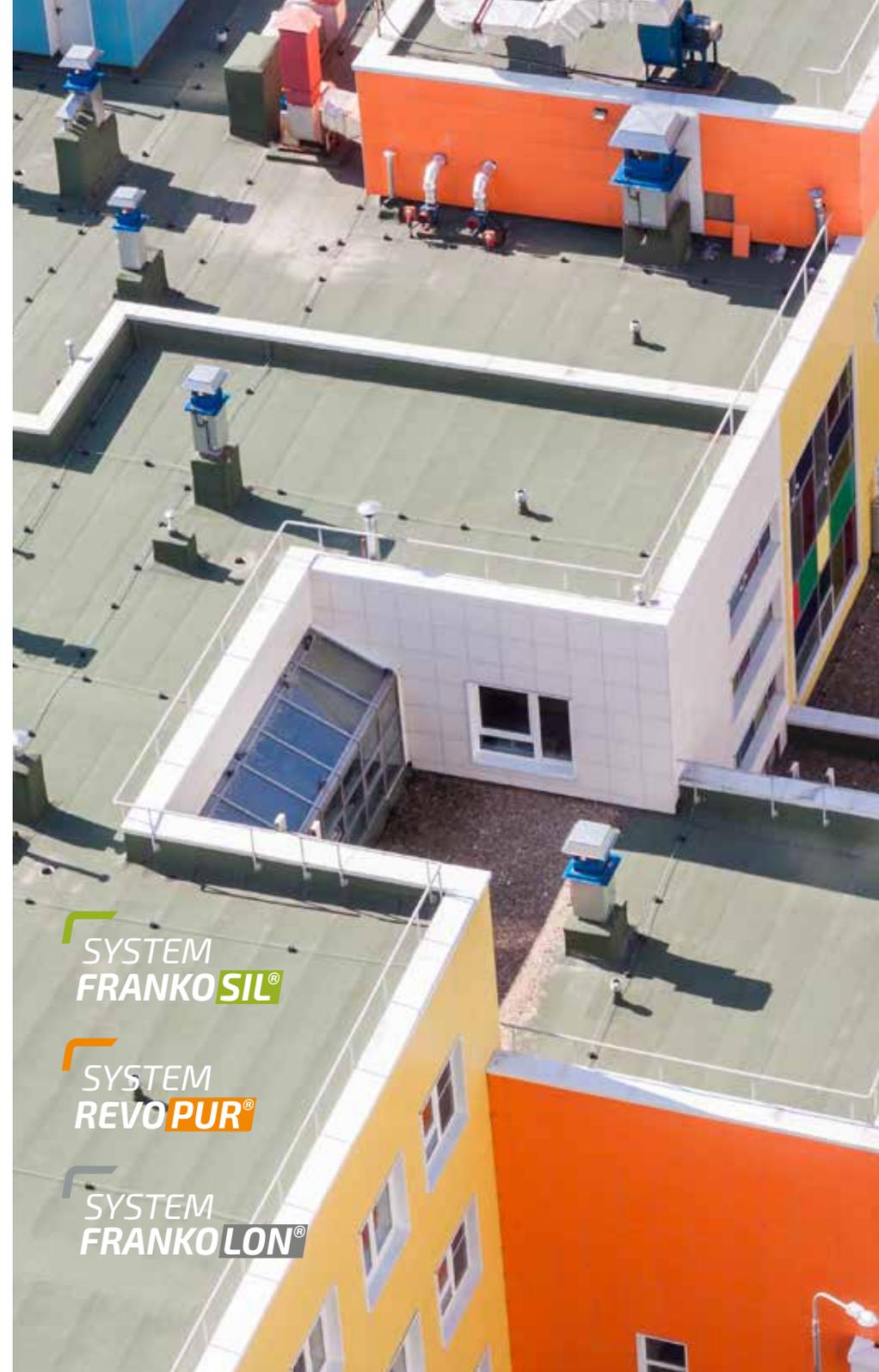
To prevent precipitation or moisture from penetrating the building fabric and damaging it, a permanently elastic waterproofing is required. With the use of the right liquid plastics, it's possible to overcome these physical challenges.

Permanently elastic waterproofing that compensates for the different material properties is particularly in demand at the critical transitions between different building materials. High-quality liquid plastics offer the optimal solution here. Without mechanical fixation, they adapt to any geometry and adhere to almost any surface. In this way, versatile material compositions can be sealed permanently and reliably.



Why FRANKEN SYSTEMS?

- We are a pioneering product developer and manufacturer when it comes to protecting the environment and health. Our coating and sealing systems are based on a unique, particularly high-quality technology.
- Our liquid plastics are **free of solvents and plasticisers**, easy and safe to use and don't have any unpleasant odours.
- Our **system components are perfectly coordinated**. Thanks to the different combinations, numerous properties and requirements can be achieved.
- Our products' **fast curing times** (as standard or optional) allow the **construction progress to move forward quickly**. Minimal shutdown times save resources and money.
- **Extensive tests and approvals** certify the quality and regulatory suitability of our products. **We guarantee safety and protection for planners, installers and builders.**
- Whether it be personal advice, training in theory and practice or support on the construction site – **our expert advisers and application technicians on site offer comprehensive service for partners and installers.**



SYSTEM
FRANKO **SIL**®

SYSTEM
REVO **PUR**®

SYSTEM
FRANKO **LON**®

FRANKEN SYSTEMS

The following applies to all waterproofing:



SYSTEM FRANKOSIL®

The sustainable 1-component waterproofing system

FRANKOSIL® 1K Plus
FRANKOSIL® 1K Plus Graphit
FRANKOSIL® Turbo Shot

SYSTEM REVOPUR®

The versatile 2-component waterproofing system

REVOPUR® WP 200

SYSTEM FRANKOLON®

The classic 2-component waterproofing system

FRANKOLON® Thix
FRANKOLON® TexTura

Special benefits:

- In a resealable plastic bucket
- With Turbo Shot, extremely fast curing
- Reacts on mattdamp substrates
- S_d -value <2m
- No base coat in the connection area on mineral substrates
- EC1 Plus certified - odourless during application and very low in emissions

Special benefits:

- Fast curing
- Large temperature range from -10°C to +50°C
- Resistant to de-icing salt
- Very good UV resistance
- No base coat in the connection area on mineral substrates
- EC1 Plus certified - odourless during application and very low in emissions

Special benefits:

- Short-term temperature-resistant until 260°C
- Best decision for waterproofing metals
- Resistant to de-icing salt

Flat roof

Can be used with:

SYSTEM
FRANKOSIL®

SYSTEM
REVOPUR®

SYSTEM
FRANKOLON®

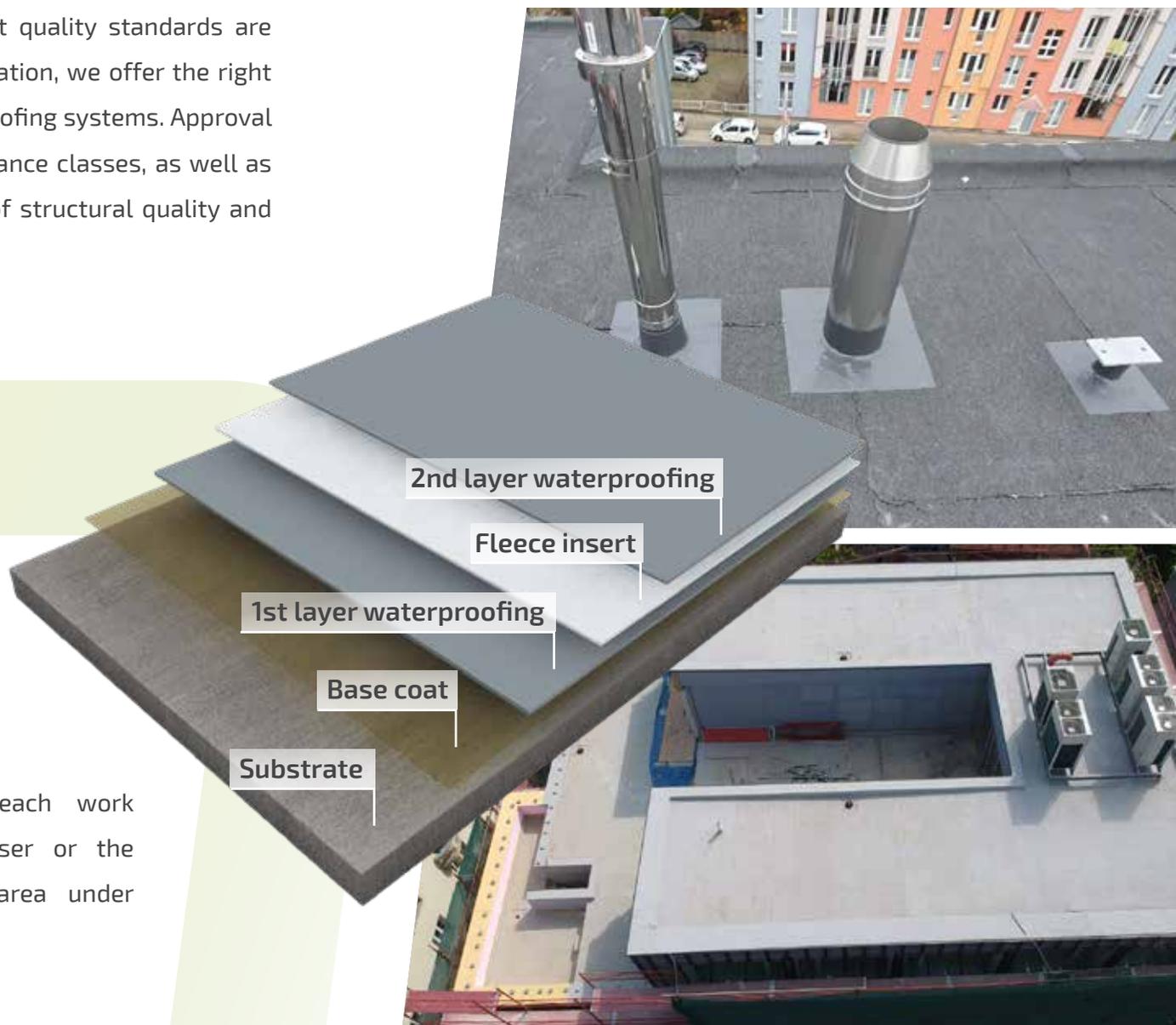
Superstructures Models

Wealth of experience - we've grown up in the flat roof sector. We're experts in waterproofing connections on flat roofs or entire roofs. Whether it be an inverted roof, warm roof or green roof, the highest quality standards are required everywhere. In new construction and renovation, we offer the right solution for all areas of application with our waterproofing systems. Approval in accordance with ETAG 005 in the highest performance classes, as well as low consumption, set our products apart in terms of structural quality and economy.



Over 100 tested substrates!

Make the right decision with confidence - each work step described in detail: in our substrate adviser or the base coat recommendations in the download area under www.franken-systems.de



Green roof

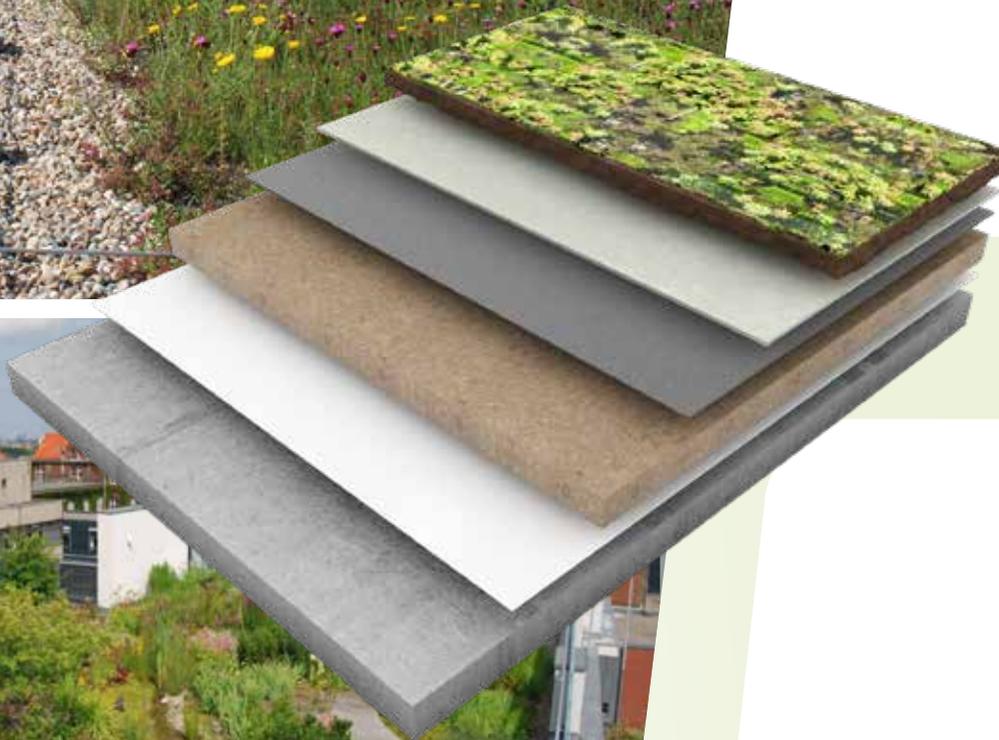
Can be used with:

SYSTEM
FRANKOSIL®

SYSTEM
REVOPUR®

SYSTEM
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Ecological roof - for a green future. Our liquid plastics are free of plasticisers and solvents and ecologically certified in many cases. Another significant feature is the root resistance according to the FLL test method. This guarantees that the waterproofing is not damaged by the roots.



W3
Approved
according to
ETAG 005


Root-resistant
according to FLL
method


Odourless


Solvent- and
plasticiser-free

Additional features:

- Ecologically certified
- No biocides
- Low water uptake

Window connection

A **particular challenge** - due to the geometric situation, floor-to-ceiling door and window connections require a particularly flexible and reliable sealing solution. The mostly recessed frame constructions make connections in this area a challenge. Our waterproofing systems can be easily applied, with a brush for example, even in the corners and, most of all, without voids. With their positive product properties, they offer long-term protection, as they reliably stay waterproof even when exposed to a wide variety of weather influences or soil moisture, right up to water under pressure.



Additional features:

- Little base coat required
- No water ingress

Can be used with:

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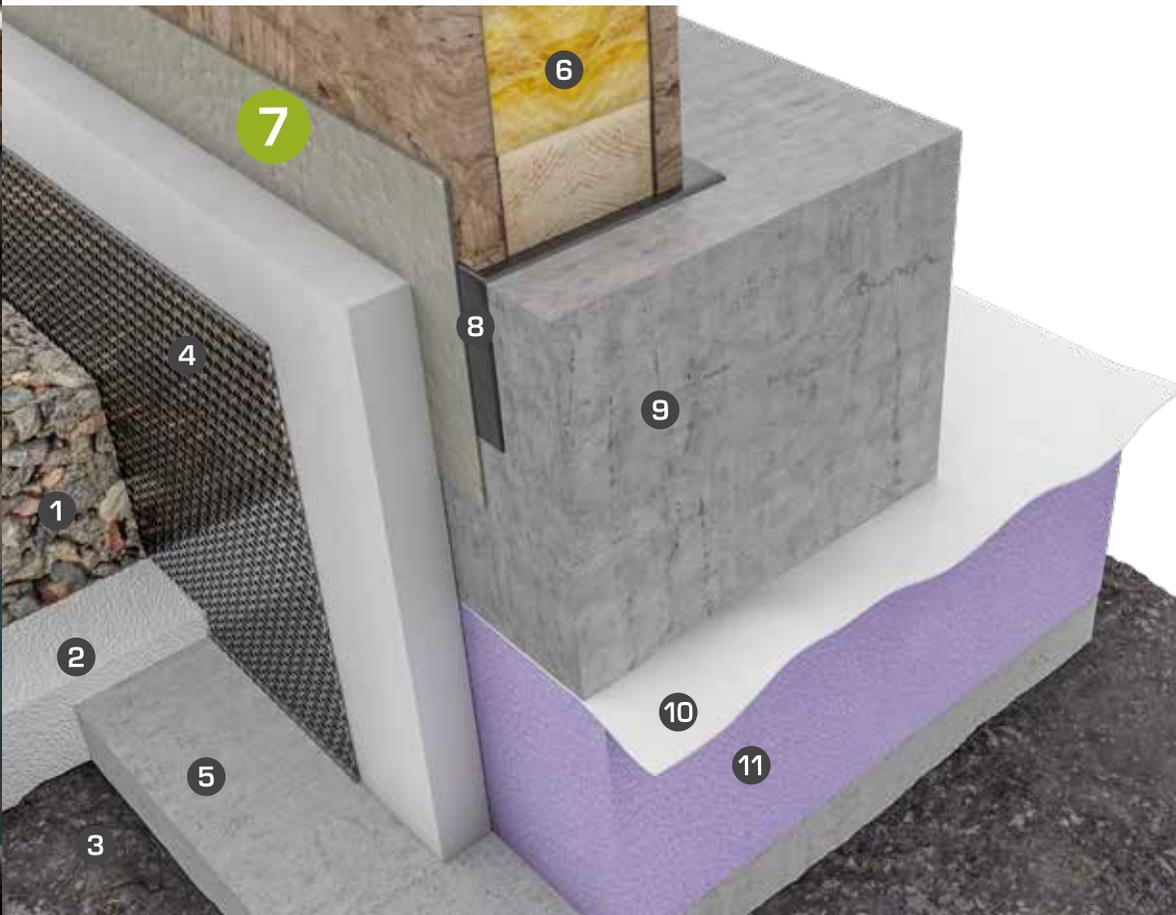


Timber house joint

Can be used with:

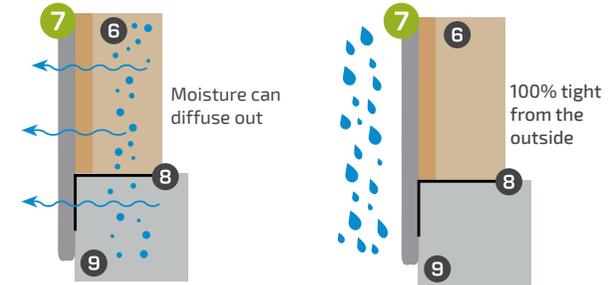


Problem solved with our all-rounder - FRANKOSIL® 1K Plus fulfils all regulatory requirements for waterproofing buildings in timber construction. Waterproofing the floor slab and the timber frame must be considered with particular sensitivity in terms of building physics. The one-component liquid plastic can be processed quickly and easily and can be applied without a base coat. The waterproofing is 100% tight from the outside and at the same time allows trapped moisture to diffuse out ($\mu=864$).



- 1 Gravel
- 2 Filling sand
- 3 Soil
- 4 Dimpled sheet
- 5 Clean layer of lean concrete
- 6 Wall construction
- 7 **FRANKOSIL® 1K Plus**
- 8 Damp-proof membrane
- 9 Concrete (floor slab)
- 10 Separating foil
- 11 Perimeter insulation

FRANKOSIL® 1K Plus
has a S_d -value < 2m



Additional features:

- Alkali-resistant
- Permanently elastic and crack-bridging
- Reacts on matt damp substrates

Building component in contact with the ground

Can be used with:

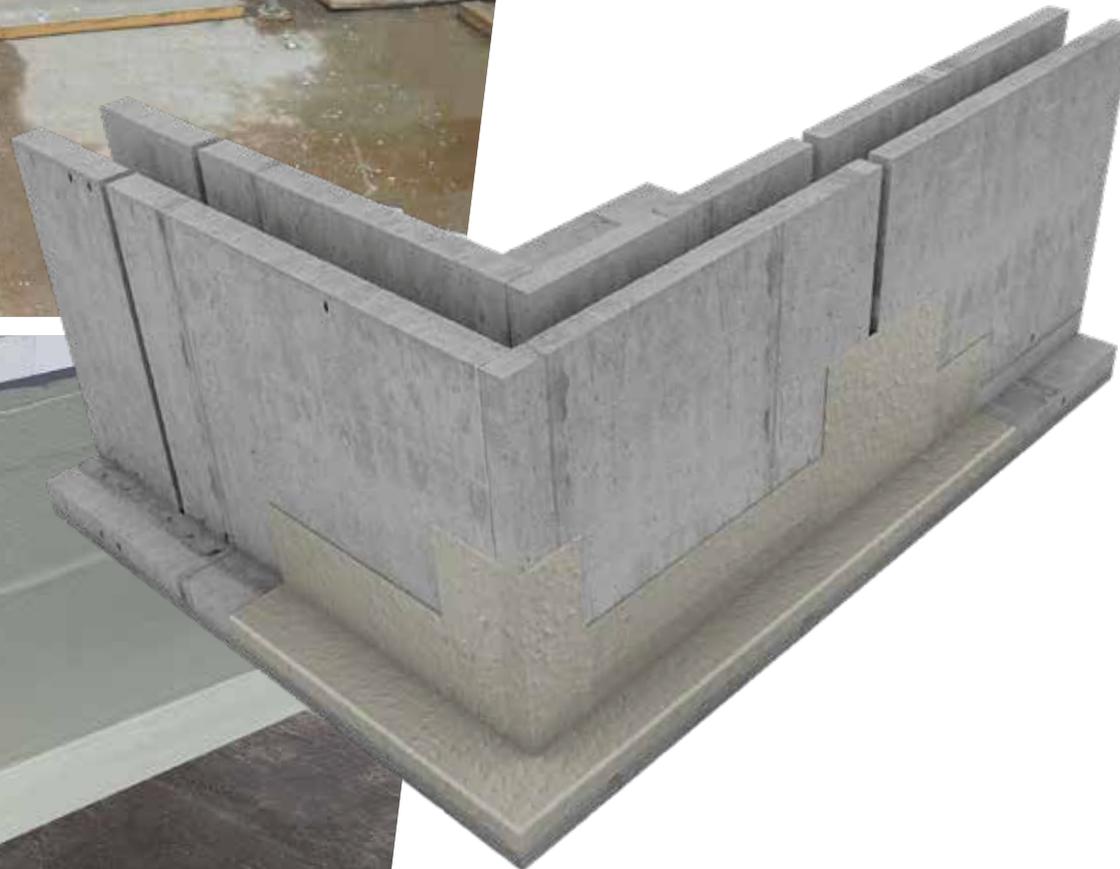
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Under high pressure - with the right system, even the deepest of cellars keep your feet dry. Our liquid plastics are impermeable to water and offer a particularly high level of safety here. The one-component FRANKOSIL® 1K Plus can be applied on matt damp substrates. The versatile REVOPUR® WP200 is tested up to a water pressure of 5 bar and approved for waterproofing with a water column of up to 20 metres.



Other possible areas of application:

- Exterior cellar waterproofing
- Controlled crack joints and construction joints
- Supports
- Sprinkler tanks
- Foundation waterproofing
- Well waterproofing
- Rising components
- Fresh concrete composite waterproofing



Overview

Decision-making guide



PARAMETER	FRANKOSIL® 1K Plus	FRANKOSIL® 1K Plus with Turbo Shot	REVOPUR® WP200	FRANKOLON®
1-component	✓			
2-component		✓	✓	✓
Fast-curing		✓	✓	
EC1 Plus-certified	✓		✓	
Outside area	✓	✓	✓	✓
Inside area	✓		✓	
Without fleece insert				✓*
With fleece insert	✓	✓	✓	✓
Suitable for wear and tear layers			✓	✓
Surfaces to be driven on			✓	✓
Waterproofing under mastic asphalt				✓
Without base coats on mineral substrates	✓	✓	✓	
Mixing errors excluded	✓			
Simplest handling	✓			
Moisture-tolerant	✓	✓	✓	
Temperature-independent curing speed			✓	

*only applies to FRANKOLON® surfaces

Ecological? Naturally!



Ecologically certified? Absolutely! Because here at FRANKEN SYSTEMS, we take responsibility for protecting the environment as well as for the health and safety of our installers, the building owners, residents and society. Our formulations allow our products to be processed safely.

By not using solvents, plasticisers and a multitude of other ingredients, most of which require labels, we set new standards in the personal protection of those who are in close or distant contact with our products. With our systems, habitats remain unharmed.

The EMICODE seal of the highest category EC1Plus sets the uniquely low odour and emission levels of our product apart from the rest.



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