

FRANKOSIL® 1K Plus



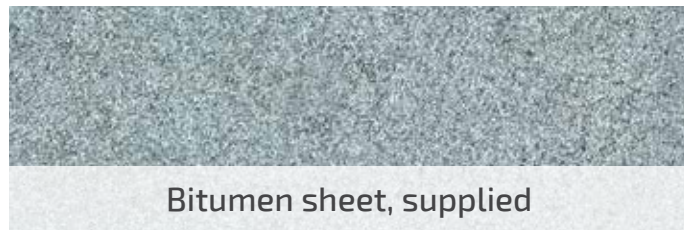
The sustainable waterproofing system!

**SYSTEM
FRANKOSIL®**

ONE WATERPROOFER TWO PRIMERS



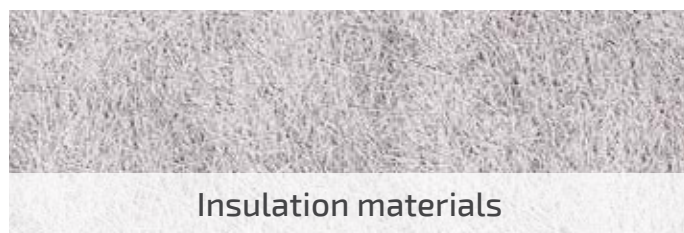
Easy waterproofing of connections without a primer,
using FRANKOSIL® 1K Plus:



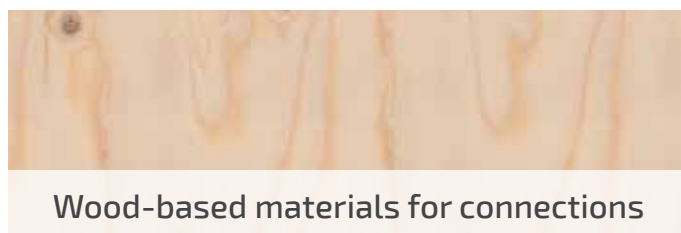
Bitumen sheet, supplied



Concrete



Insulation materials



Wood-based materials for connections



Masonry



SYSTEM
FRANKOSIL®

The sustainable
1-component
waterproofing system

FRANKOSIL®

Clean with TH610 (thinner)
Roughen with sandpaper + apply
PR130 (SL bonding agent) *



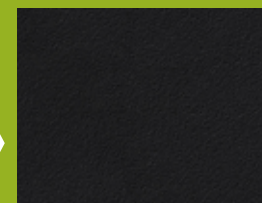
Iron and non-
ferrous metals



Glass
(untempered)

FRANKOSIL®

Clean with TH610 (thinner)
PR115 (multi-plastic primer)*



EPDM membrane



FPO, PVC
membrane



Rigid PVC/GRP

* Important note: With the above information we would like to offer you a brief, non-binding insight into our product range and its possible areas of application. We expressly reserve the right to make changes and additions. The order documents are authoritative for the content of contracts. We are always available for an individual consultation. Please refer to our current technical documentation at www.franken-systems.de/service/downloads

OR

Make use of our
substrate advisor
with this QR code:



PROBLEM SOLVED WITH OUR ALL-ROUNDER

FRANKOSIL® 1K Plus is unrivalled in combining the key properties to provide the plinth area with optimal durability.

Firstly, durable and secure sealing with proven flexibility and crack bridging.

Secondly, as recommended by AIBAU*, an S_d value < 2m, which ensures sufficient drying potential to reduce the risk of wood damage due to microorganisms and rot.



FRANKO SIL®
tested by the
Frauenhofer Institute**

Advantages

Unlike many conventional waterproofing materials such as EPDM, butyl or bitumen membranes, which trap moisture due to their high S_d values, **FRANKOSIL® 1K Plus** is virtually the only product on the market to meet the following requirements, **and all this without prior priming on concrete or wood substrates.:**

- S_d value < 2m ($\mu = 864$)
- General building inspectorate test certificate (PG-FLK) for use in accordance with DIN 18 533
- Crack-bridging for cracks that appear in the substrate up to 2 mm
- Easier to apply than waterproofing membranes on the plinth and details, especially in areas with projections and penetrations
- Can be applied cold (no fire hazard with wooden components)

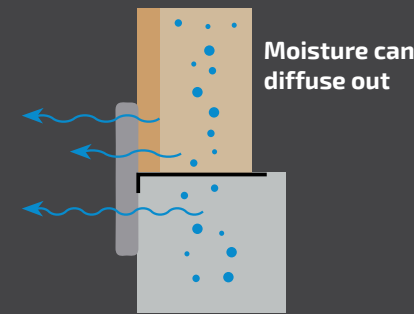


TIP FOR FAÇADE RENDERING:
Apply another 300 g/m² of **FRANKOSIL® 1K Plus** to the finished **FRANKOSIL® 1K Plus** waterproofing and dress with 0.7 - 1.2 mm fire-dried quartz sand.

WATERPROOFING	approx. S_d value in m	Thick-ness in mm
PVC waterproofing membranes	approx. 35	1.5
Bituminous waterproofing, polymer bitumen emulsion (easy to spread)	approx. 80	2–3
Polymer-modified bitumen coating (PMBC)	approx. 90–120	4–5
Polymer bitumen membranes	approx. 200–350	4
EPDM membranes	approx. 35–40	1.2
PMMA-based liquid plastics	approx. 10–25	2.1
FRANKOSIL® 1K Plus	1.81	2.1

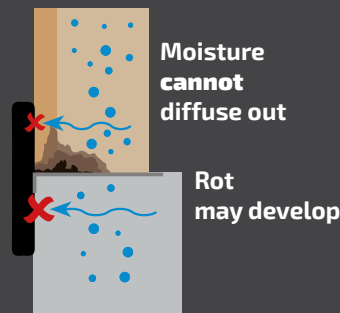
FRANKO SIL®

100% waterproof from the outside



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

EPDM



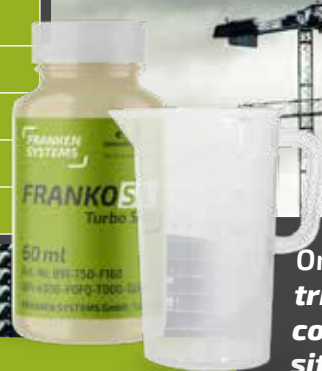
* Aachener Institut für Bauschadensforschung und angewandte Bauphysik (Aachen Institute of Structural Damage Research and Applied Building Physics) - Durability of waterproofing on lightweight substrates in the plinth area - Final report 2016

** Drying potential of Frankosil 1K Plus proven by long-term testing conducted by the Frauenhofer Institute "IBP-Report 014/2022 "Hygothermal comparison of the Frankosil waterproofing system with products commonly used in the industry."

TURN ON THE TURBO!

... so bad weather
doesn't slow you
down.

Mix ratio	
FRANKOSIL® 1K Plus	Turbo Shot
2 kg	30 ml
3 kg	40 ml
4 kg	50 ml
5 kg	60 ml
6 kg	70 ml



Only **one**
trip to the
construction
site required



Several steps
completed in
a single day



Easily withstands
sudden changes
in weather



Faster, better, safer – the FRANKOSIL Turbo Shot® turns FRANKOSIL® 1K Plus into probably the fastest 1-component waterproofing on the market.

- Fast construction progress
- Full strength very soon after application
- Maximum safety in changeable weather

Advantages

- Full strength after 1.5 h
- Odourless
- Year-round application
- Easy to use, proportioning with measuring cup
- No risk of mixing errors

Technical data in combination with FRANKOSIL® 1K Plus

Working time	approx. 15 mins*
Rainproof after	approx. 30 mins*
Overcoat after	approx. 1 h*
Foot traffic	approx. 1.5 h*

* Measurements taken at 21°C and 50% rel. humidity. Weather conditions such as wind, humidity and temperature will change the stated values. For further information, please refer to our technical data sheets in the download area under www.franken-systems.de

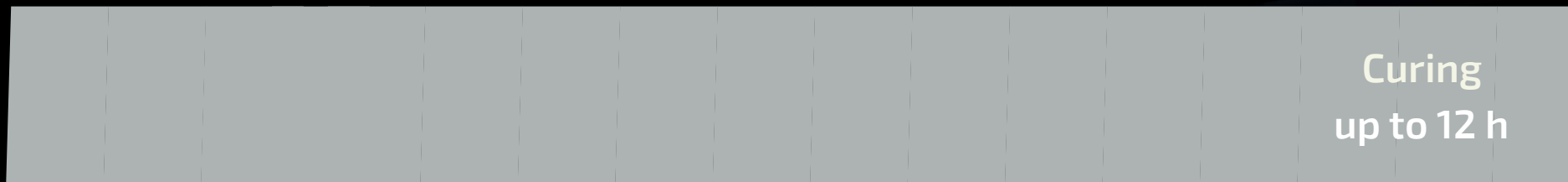
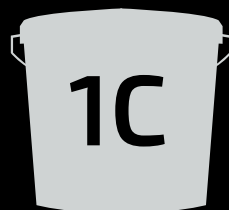
Handling

FRANKOSIL Turbo Shot® must be shaken thoroughly. Then add the FRANKOSIL Turbo Shot® to the FRANKOSIL® 1K Plus and stir until evenly mixed.

For the mix ratio of Frankosil Turbo Shot® per kg Frankosil 1K Plus Waterproofing, see table on page 6.



Conventional 1C-PU waterproofing



Curing
up to 12 h



Foot traffic

FRANKOSIL® 1K Plus with FRANKOSIL Turbo Shot®



Curing
1.5 h



Foot traffic

FRANKOSIL SPEEDFIX

And everything goes smoothly.



The new filling and modelling compound based on a fast-curing, moisture-reacting polyurethane hybrid (SMP).

Filling and waterproofing in one go:

FRANKOSIL® Speedfix is perfectly formulated and tested for use under the waterproofing resins FRANKOSIL® 1K Plus, REVOPUR® and FRANKOLON®.

Compatible with:

SYSTEM
FRANKOSIL®

SYSTEM
REVOPUR®

SYSTEM
FRANKOLON®

Follow us and never
miss any of our
additional offers



Advantages

- Direct application on matt damp substrates
- Flexible and simple working
- Alkali-resistant
- Flexible

Handling

- The 2-component filler FRANKOSIL Speedfix can be overcoated wet on wet with our single-component liquid plastic FRANKOSIL® 1K Plus.
- With its excellent adhesive properties, FRANKOSIL® Speedfix can also be used on absorbent substrates (e.g. concrete) without a primer.
- The filler achieves good strength very quickly and is versatile for use on vertical components.

After

Before

Technical data

Working time
approx. 20 mins*

Full strength / foot traffic
approx. 2 h*

Rainproof after
approx. 45 mins*

Overcoating after
approx. 1 h*

* Measurements taken at 21°C and 50% rel. humidity. Weather conditions such as wind, humidity and temperature will change the specified values. For further information, please refer to our technical data sheets. You can find these in the download area on www.franken-systems.de.

FRANKOSIL SYSTEM CLEAR ADVANTAGES

Our perfectly coordinated
systems for waterproofing
roofs and buildings



FRANKOSIL® 1K Plus

The top-quality, green
1-component liquid-applied
waterproofing in a plastic
container

FRANKOSIL Turbo Shot®

When speed is important:
Turbo Shot® cuts the curing
time of FRANKOSIL® 1K Plus
to 1.5 hours



PR130 (SL bonding agent)

Cleaner and bonding agent for non-
ferrous metals, steel, glass etc.



Fleece

For a uniform minimum
layer thickness

PR115

(multi-plastic primer)

Primer for plastic and
elastomer membranes,
plastic profiles made of
rigid PVC



SYSTEM FRANKOSIL®

The easy-to-use 1-component
waterproofing system

FRANKOSIL® 1K Plus

FRANKOSIL® 1K Plus Graphite

FRANKOSIL® Turbo Shot



Special advantages:

- Resealable plastic bucket
- Extremely fast curing with Turbo Shot
- Reacts on matt damp substrates
- S_d value <2m
- No priming in the connection area on mineral substrates
- Universal adhesion on adhesion-critical plastic substrates subject to weathering with PR115
- EC1 Plus certified - odourless during application and very low in emissions
- All other labels and certifications can be found in the DGNB Navigator



Odourless



Solvent- and
plasticiser-free

S_d

S_d value <2m

EC1 PLUS

certified



Approved for struc-
tural waterproofing



Waterproofing solutions for:



Balconies & walkways



Roofs & buildings



Special applications



999990-153 10-2023 With the above information we would like to offer you a brief, non-binding insight into our product range and its possible areas of application. We expressly reserve the right to make changes and additions. The order documents are authoritative for the content of contracts. We are always available for an individual consultation.

FRANKEN SYSTEMS GmbH
Südstrasse 3 | 97258 Gollhofen
T +49 9339 988 69 – 0
F +49 9339 988 69 – 99
E info@franken-systems.de
www.franken-systems.de

FRANKEN SYSTEMS GmbH
Bahnhofstrasse 5a
9306 Freidorf
Switzerland
T +41 71 566 10 33
E info@franken-systems.ch
www.franken-systems.ch



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