

# icobit<sup>®</sup>



WATERPROOFING SYSTEMS

## icoper<sup>®</sup> rapid-hp

Washout resistant, fiber reinforced, ready-to-use, cold applied, seamless waterproofing membrane

Max 20°  
Min 1°

**30'**  
minuti

### Rapid

Impermeabile in mezz'ora  
Waterproof in half an hour



# icoper® rapid-hp

## USE

Recommended underneath ceramic tiling directly bonded with adhesives; waterproofing of terraces, balconies, vertical tiling in bathrooms and showers, flat and sloped roofs, gutters, eaves, sheds, facades, concrete storage tanks for non-aggressive liquids and non-drinking water, exposed walkable decks, weathered flooring.



## PERFORMANCES

**CE marking as per EN 14891:2012 Ready-to-use, standard dispersion liquid-applied waterproofing membrane (DM) with improved crack bridging ability at low temperature (-5°C)(O1). A suitable tiling adhesive can be directly bonded to the waterproofing surface. Fiber-reinforced (no fiberglass mesh required). Resistant to ponding water on flat roofs. UV resistant (no need for protective paints). Eco friendly, safe, free from solvents and other harmful substances. Walkable. Quick filming at low temperatures. Resistant to impending rain, moist and dew. Seamless. Elastic. Able to conform to irregularly shaped substrates. Quick, safe and easy to apply.**

## SURFACE PREPARATION

Clean thoroughly and remove dust, loose material or non-adhering particles, grease, oil, formwork release agents, residue from other treatments and anything that may affect proper adhesion.

The support must be dry. Allow complete drying after water blasting.

Seal floor-wall transitions, control and isolation joints with **icojoint MS** sealant cartridge.

Expansion joints must be treated separately.

## Terraces - Balconies

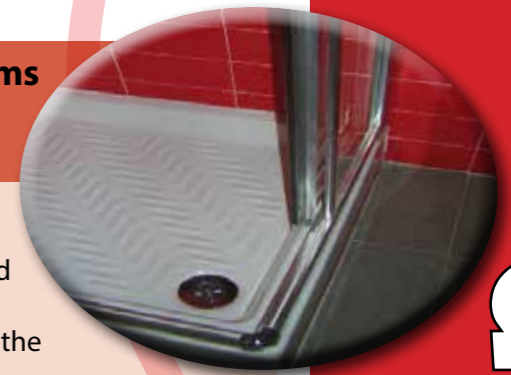
Smooth out the surface if needed.

Prime with **icoper®rapid** (general purpose version) diluted with ½ liter of water per kg. Coverage of the mixture: approx. 5 sq.mt.



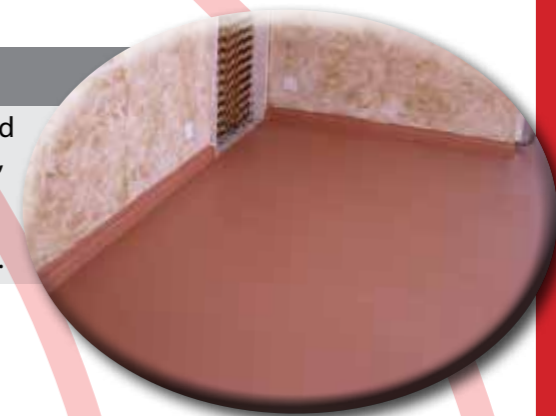
## Bathrooms and Kitchens

Make sure the surface is sound and the plaster is bound to the substrate. Prime with **icoper®rapid** (general purpose version) diluted with ½ liter of water per kg. Coverage of the mixture: approx. 5 sq.mt.



## Tiled surfaces

Check the grouts, remove and restore degraded, non-adhering tiles. Prime with **icoforce** Spread rate: 300 gr/sq.mt.



## APPLICATION INSTRUCTIONS

Apply to fully cured substrates, as moist and subsequent outgassing may result in blistering or delamination.

Wait for the primer to dry (see "SURFACE PREPARATION" above).

Apply minimum two coats, for a total spread rate of no less than 2 kg/sq.mt.

Apply consecutive coats in crossed directions to ensure optimal fiber distribution.

Apply consecutive coats in contrasting colors in order to easily check the correct spread rate.

Apply at temperatures between +1°C and +20°C.

Let the product cure for minimum 48 hours prior to tiling (curing time is affected by external temperature and humidity).

Test the watertightness of the cured surface prior to overlaying with tiles.

According to the **EN 14891** European Norm, a **C2** Improved Cementitious Adhesive is required for the application of tiles and flooring, such as Icobit's **TOPFLEX**. That is a **C2** class adhesive with additional **TE** and **S1** performances as per **EN 12004**: deformable, with reduced slip and extended open time.

Tools can be cleaned with water while the product is wet.



## REMARKS

- **icoper®rapid-hp** is ready to use and therefore need not be diluted nor reinforced with mats or meshes.
- Avoid applying to damp supports and lightweight screeds, or in case of negative thrust.
- Wait for new concrete to fully cure.
- Do not apply to supports with underlying concealed waterproofing. In such cases, please contact our Technical Division.
- Add vapor vents when needed.
- Avoid applying thick layers in one coat.
- Possible residual stickiness can be removed by sprinkling talc or cement.
- Although weatherproof, it is however advisable to protect from rain until touch dry.

## Exposed walkable decks

Smooth out possible unfinished or hollow areas and repair damaged portions. Prime with **icoper®rapid** (general purpose version) diluted with ½ liter of water per kg. Coverage of the mixture: approx. 5 sq.mt.



## DETAILING

Critical points such as floor to wall transitions, drains and vapor vents require specific treatment.



# icoper® rapid-hp

# TECHNICAL DATA

PRODUCT FEATURES	MEASURING UNIT	VALUE
Density	gr/ml	1.31
Solid content	%	75
Water vapor permeability	μ	2820
Watertightness *		Passed
Washout Resistance **	min	≥ 30
Touch Dry time ***	hrs	1.5
Curing time ***	hrs	24
Number of coats		min. 2
Coverage per coat	kg/sq.mt.	1.0
Dry film thickness (2 kg/sq.mt.)	mm	1.1 (± 1%)
Creep resistance at 80°C	mm	0.1
Tensile strength	MPa	2.0
Tensile elongation	%	51.65
Cold Flexibility	°C	- 20
Reaction to fire		Euroclass F
Shelf life	Months	12

\* Tested internally in accordance with EOTA TR-003

\*\* Measured at +1°C and 85% R.H. with a spread rate of 1 kg/sq.mt.

\*\*\* Measured at +23°C (±3°C) with a spread rate of 1 kg/sq.mt.

FINAL PERFORMANCES as per EN 14891:2012			
	MEASURING UNIT	EN 14891 MINIMUM STANDARD	icoper®rapid-hp PERFORMANCE
Initial Adhesion Strength (item A.6.2)	N/mm <sup>2</sup>	> 0.5	1.3
Adhesion Strength after water immersion (item A.6.3)	N/mm <sup>2</sup>	> 0.5	1.4
Adhesion Strength after heat aging (item A.6.5)	N/mm <sup>2</sup>	> 0.5	1.4
Adhesion Strength after freeze-thaw cycles (item A.6.6)	N/mm <sup>2</sup>	> 0.5	1.1
Watertightness (150 KPa)		no penetration	no penetration
Crack Bridging Ability at 23°C (item A.8.2)	mm	> 0.75	1.28
Crack Bridging Ability at -5°C (item A.8.3)	mm	> 0.75	1.22

Adhesion measured with a C2 cementitious adhesive, in accordance with EN 12004

## STORAGE

- Store in a covered, dry area.
- Keep containers tightly closed.
- Do not expose to temperatures below freezing or exceeding +50°C

The manufacturer reserves the right to amend the product specifications without notice.

The above performances were measured according to the standards in force at the time of issue and represent the average results of our tests.

Although highly reliable, they do not constitute a binding commitment nor liability for Icobit Italia S.r.l.

The purchaser and the end consumer acknowledge responsibility for the product suitability to the intended use.

## Packaging



5 • 20 Kg

## Colors



RED • GREY

## Application Methods



Flat Trowel



Brush



Squeegee

TDS icoper®rapid-hp 2015