

# Idrobuild Reno 4 - 9 - 15

Decoupling panel in synthetic fibre for the thermal and acoustic insulation, and reduction of transmitted impact noise, to be laid with a thin layer of adhesives from the Biogel range.

Suitable for creating floor and wall systems for the subsequent laying of all types of ceramic and porcelain tiles, large slabs, clinker and natural stone. For internal use.



1. Sound-proofing and thermal insulation, anti-cracking of surface coverings
2. Additional reduction of transmitted impact noise, up to 11 dB in bonded systems
3. The high professional standard laying of panels reduces tensile and shear movements in the covering
4. Flexible and resistant to decomposition

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## Areas of application

### → Use

Thermal insulation, soundproofing and anti-cracking panel to reduce noise from foot traffic on internal floors can also be used on walls and in damp and wet environments, with waterproofing system.

### Suitable for:

- compact, fully dried substrates such as concrete and cement-based screeds
- old coating materials made of ceramic tiles and natural stone
- fully dried anhydrite screeds and gypsum-based plasters
- cement and gypsum-based finishing products
- mixed, wood, cast asphalt substrates

Do not use on fresh plasters and screeds, heated screeds.

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## Instructions for use

### → Preparation of substrates

Substrates must be free from dust, oil and grease, free from any rising damp, with no loose, flaky material. The substrate must be stable, non-deformable, without cracks and have already completed the curing period of hygrometric shrinkage.

Irregular substrates must be levelled before laying the Idrobuild Reno panels, for example using a self-levelling product such as Planogel Rheo or a levelling product such as Keralevel Eco LR. Absorbent substrates must first be treated with Primer A Eco, while non-absorbent substrates must be treated with Keragrip Eco.

### → Preparation

On the substrate prepared in this way, apply Biogel Revolution fast-setting adhesive using a suitable toothed spreader. Then lay the Idrobuild Reno panels with the squared side facing downwards and press them firmly. The Idrobuild Reno panels must be laid full-bed. Make sure

that crossed joints are not created during laying. The panels must run along each other by at least 30 centimetres. Provide for desolidarisation joints for all construction elements. Lay the coating (natural stone or ceramic) without applying a primer, using an adhesive from the Biogel range, to be laid full-bed using a toothed spreader suited to the size of the tiles.

To reduce noise from foot traffic:

The joints between Idrobuild Reno panels must be covered with adhesive tape to avoid the formation of acoustic and/or thermal bridges. Adjacent building elements must be bordered by a joint of adequate width, that is to say min. 10 mm in the case of mineral substrates and min. 15 mm in the case of timber substrates.

### → Tools

Sharp knife, cutter or circular saw with maximum tooth spacing.

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## Special notes

### → Special applications

In damp or wet environments, apply Nanodefense Eco single-component waterproofing on wall-mounted Idrobuild Reno panels; the two-component Aquastop Flex waterproofing system or the single-component waterproofing Aquastop

Nanoflex on floor-mounted panels.

Idrobuild Reno panels can be used to level two coating materials of different thicknesses.

**Technical Data compliant with Kerakoll Quality Standard**

Material	Synthetic fibre mix, coated on both sides		
Idrobuild Reno panel	4	9	15
Format	100x60 cm	100x60 cm	100x60 cm
Thickness	4 mm	9 mm	15 mm
Weight	≈ 2,8 kg/m <sup>2</sup>	≈ 6,1 kg/m <sup>2</sup>	≈ 10,3 kg/m <sup>2</sup>
Ability to cover lesions	1,41 mm	1,61 mm	1,87 mm
Shelf life	in a horizontal position, in a dry place		

Values taken at +23 °C, 50% R.H. and no ventilation. Data may vary depending on specific conditions at the building site, i.e.temperature, ventilation and absorbcency level of the substrate and of the materials laid.

**Performance****HIGH-TECH**

Idrobuild Reno panel	4	9	15	Standard
Reduction of transmitted impact noise, laid with tiles (with official test certificate)	10 dB	10 dB	11 dB	EN ISO 140-8
Thermal conductivity	0,0954 W/mK	0,0950 W/mK	0,0947 W/mK	EN 12667
Thermal resistance	0,042 m2K/W	0,095 m2K/W	0,158 m2K/W	EN 12667
Thermal transmission coefficient U	23,81 W/m2K	10,53 W/m2K	6,33 W/m2K	EN 12667
Thermal expansion coefficient	30 µm/m	25 µm/m	28 µm/m	
Compressive strength (compressive stress with 10% deformation)	590 kN/m <sup>2</sup>	1330 kN/m <sup>2</sup>	2190 kN/m <sup>2</sup>	EN 826
Permeability to vapour (WDD)	21,2 g/(m2xd)	11,3 g/(m2xd)	19,1 g/(m2xd)	
Flammability class	B2	B2	B2	DIN 4102
Class reaction to fire	E	E	E	EN 13501-1

Values taken at +23 °C, 50% R.H. and no ventilation.

## Warning

- Product for professional use
- abide by any standards and national regulations
- not suitable for subsequent laying of extra thin ceramic tiles and natural stone
- to avoid damage to the anti-fracture system the coating to be laid must be selected according to the use foreseen
- ceramic tiles and natural stone laid on Idrobuild Reno panels may echo
- the technical instructions required for the above mentioned products are available from the Kerakoll Technical Area on the website [www.kerakoll.com](http://www.kerakoll.com)
- the safety sheets must be complied with, and can be requested
- for any other issues, contact the Kerakoll Worldwide Global Service +39 0536 811 516 - [globalservice@kerakoll.com](mailto:globalservice@kerakoll.com)

<b>Kerakoll Quality System</b> <small>ISO 9001 CERTIFIED 1710/0327</small>	<b>Kerakoll Quality System</b> <small>ISO 14001 CERTIFIED 18586-E</small>	<b>Kerakoll Quality System</b> <small>ISO 45001 CERTIFIED 18586-I</small>
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The Rating classifications refer to the GreenBuilding Rating Manual 2013. This information was last updated in September 2022; please note that additions and/or amendments may be made over time by KERAKOLL SpA; for the latest version, see [www.kerakoll.com](http://www.kerakoll.com). KERAKOLL SpA shall therefore be liable for the validity, accuracy and updating of information provided only when taken directly from its institutional website. The technical data sheet given here is based on our technical and practical knowledge. As it is not possible for us to directly check the conditions in your building yards and the execution of the work, this information represents general indications that do not bind Kerakoll in any way. Therefore, it is advisable to perform a preliminary test to verify the suitability of the product for your purposes.