

Cruysberghs
bvba
Chemical

Producer of construction specialty chemicals **REAXYL**[®]

Approved BASF Construction Chemicals partner

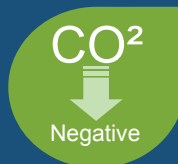


Dealer of PCI tile adhesive systems and construction chemical additives



Reaxyl[®] Terpro[®]

1-K elastomer vapour barrier



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Application:

Reaxyl® Terpro® is an 1-K elastomer vapour barrier to prevent vapour transport through a house or building.

Reaxyl® Terpro® is a simply applicable vapour barrier before applying (sprayed) floor insulation (PUR).

Always apply **Reaxyl® Terpro®** on the warm side against the outer walls made out of brick masonry, concrete blocks, wood frame constructions, cellular concrete, etc.

Reaxyl® Terpro® is a perfect vapour inhibitor against ceilings of (existing) cellars or crawl spaces.

Apply **Reaxyl® Terpro®** with **Reaxyl® Terpro® primer** with applications where a special adhesion is required (ask advise).

Reaxyl® Terpro® makes existing houses water and vapour proof which are post-insulated on the outside.

Reaxyl® Terpro® is a 1-component water based elastomeric coating.

Reaxyl® Terpro® is waterproof, 400% elastic, lead-free and has a good adhesion on most surfaces.

Reaxyl® Terpro® is UV-resistant and resistant to wear.

Reaxyl® Terpro® is water based.

Reaxyl® Terpro® is 100% Blower Door proof even after 10 years.

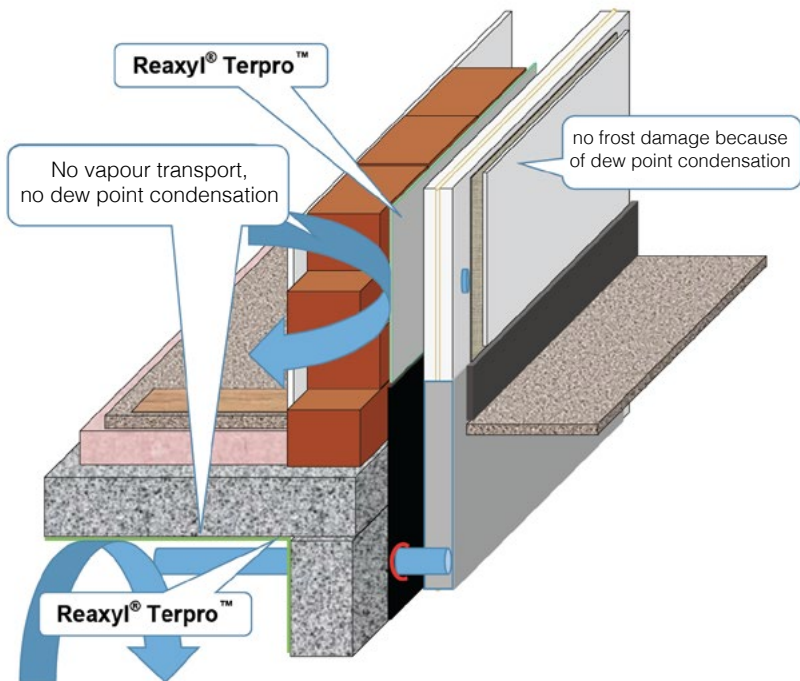
Reaxyl® Terpro® forms a thick membrane that prevents very well against water, salt spraying and aggressive surroundings.

Instructions

Apply **Reaxyl® Terpro®** on a clean surface, with a brush or roll 300 – 500g/m/layer; Airless 300 – 500 g/m/layer. For a good vapour diffusion resistance is a total thickness of 1 kg/m² necessary. On porous surfaces dilute the first layer with about 25% water (consumption ca. 100 g/m²). Airless: do not dilute. Nozzle: 18 – 26 / pressure: min. 220 bar. Nozzle and pressure can vary according to the kind of surface, the equipment and the experience of the executor. Clean with water. By inside use provide sufficient ventilation. With momentarily delay submerge the brush or nozzle in water. The temperature of the surface has to be at least 5°C above the dew point. The second layer can be placed after 24 hours. On placed where a good adhesion is required, apply first a layer of **Reaxyl® Terpro® Primer** (ask advise).

Storage stability

4 year from the production date in an unopened, original package, stored in a dry, well ventilated room, not in the full sun, with temperatures between 5° and 35°C.



Technical information

Material base: in water dispersed high polymers

Mass: 1,48 g/cm³

Firm substance content: In volume: 55 ± 3%
In weight: 70 ± 3%

Recommended layer thickness:

Wet film: 680 micron (consumption 1kg/m²)

Dry film: 380 micron (consumption 1kg/m²) (= µd 10 per layer)

(for a 100 % vaporproof surface > Reaxyl Benfoil 31)

Vapour diffusion resistance: $\mu = 26.000$

Pulling strength : > 1 N/mm²

UV resistant

Elasticity: 400%

Flash point: flammable, self-extinguishing

VOC-content: 35 g/l max.

Drying times by 20°C/60% relative humidity

Stick-free: 1½ hours

Manageable: 3 hours

Repaintable: 24 hours

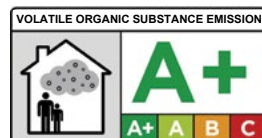
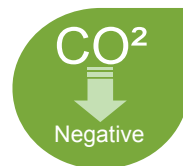
Hardened: 1 week

Color: white

Processing temperature: +5 to +35°C

Storage: 4 years cool and dry

Package: 25 kg





Prevent frost damage to plaster and treat the walls on the warm side vapour proof with **Reaxyl® Terpro®**.





Reaxyl® Terpro®

Prevent energy loss, because of the difference in vapour pressure under the building, and make the floor vapour proof with **Reaxyl® Terpro®** before apply floor insulation..

Prevent vapour transport and energy loss by making the ceiling of the cellar or crawling space vapour proof with **Reaxyl® Terpro®**.

With a total layer thickness of 1kg/m² you are sure of a vapour proof white finish



The moisture problem:

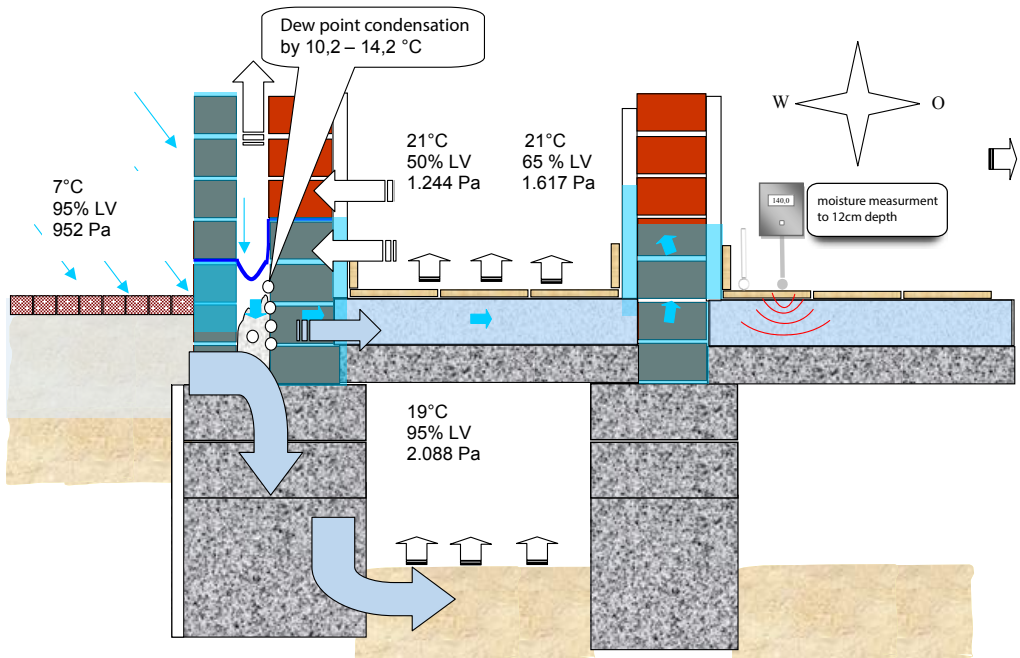
In a moist cellar or crawling space prevails a high local vapour pressure.

A cellar or crawling space where there is 1mm or 2 meter of water, has the same vapour pressure. When there is also little ventilation in the crawling space, than is the relative humidity quickly 100%. By 18°C this results in a vapour pressure of 2.065 Pa in a cellar or crawling space. If on the ground floor level it is 21°C and a relative humidity of 50 %, than there is a vapour pressure of only 1244 Pa.

In construction physics everything wants to be in balance and the high vapour pressure will migrate to a lower vapour pressure. The result of this is that the air on the ground floor will absorb the moisture of the crawling space or cellar whereby the humidity in the living room on the ground floor level rises. Moisture transport = energy loss.

If it is outside +7°C with a relative humidity of 95%, than there is a vapour pressure of 952 Pa outside your home. In other words, the vapour pressure outside is a lot less then inside and the moisture wants to go outside through the walls. This is not a problem per se, but the moisture of the living room on +21°C with 65 % relative humidity condensates on a dew point of +14,2°C.

In the drawing beneath, this is a cavity wall. So it is extremely important to ventilate the cellar or crawling space, but even more, make the ceiling of the cellar or crawling space vapour proof with **Reaxyl® Terpro®** .



The energetic problem:

With a few procedures every building can be made completely moisture free (read more in the Ecoben systems brochure and on www.cruysberghe.com).

The absorption of moisture out of a underlying cellar or crawling space costs 20 – 30 % on heating energy to get and maintain the building on temperature.

This is only the purely energetic cost calculated on the heating of the absorbed moisture. So it is extremely important to make every existing building vapour proof with **Reaxyl® Terpro®** in the cellar or crawling space.

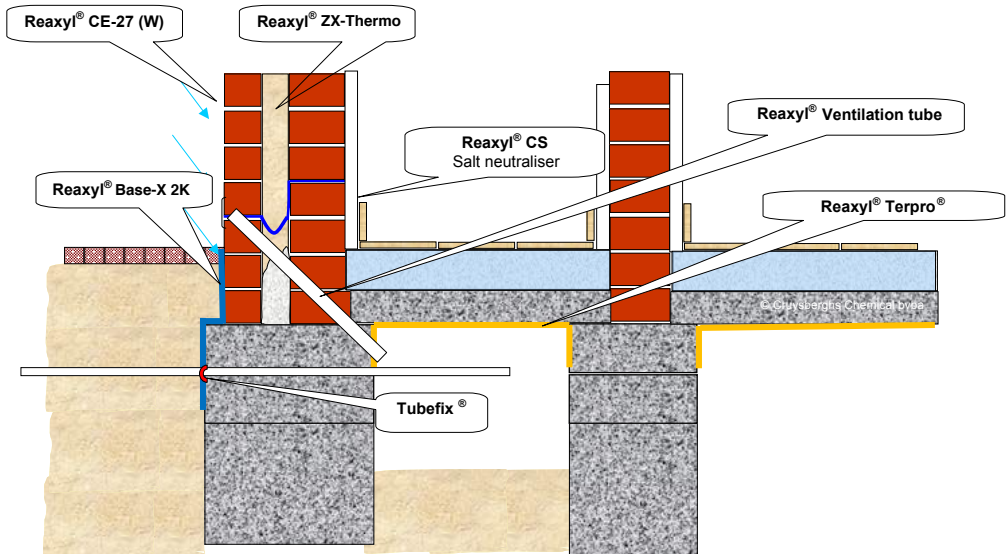
The return on investment is quickly calculated:

20 % of € 1.000 per year on heating = € 2.000 on 10 years.

20 % of € 2.000 per year on heating = € 4.000 on 10 years.

You can do your own calculations.

Because of the saving on energy costs, the investment in **Reaxyl® Terpro®** is returned on short term and you limit the CO² emission. Good for the environment and the climate.



Solutions for all your construction problems

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