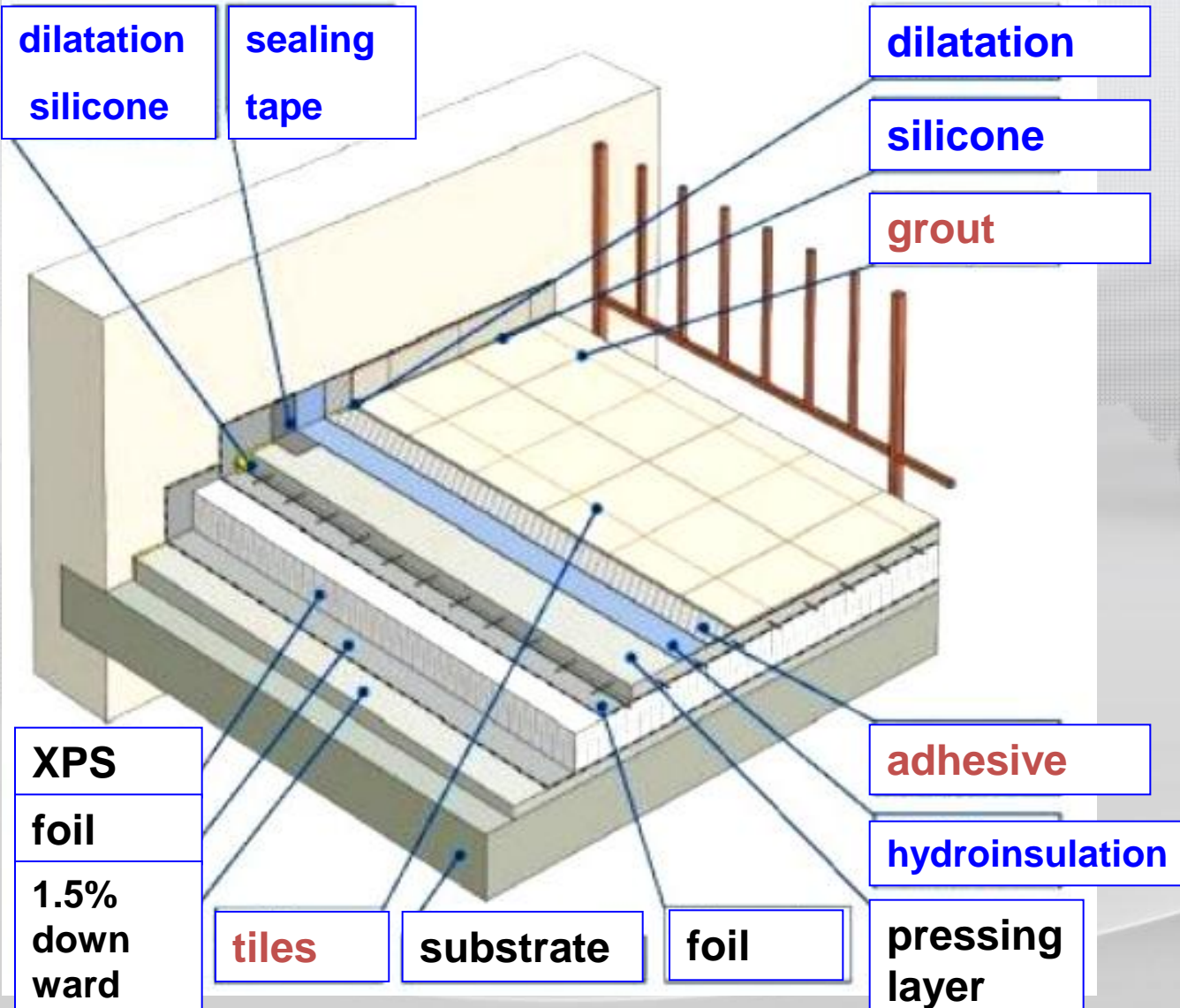
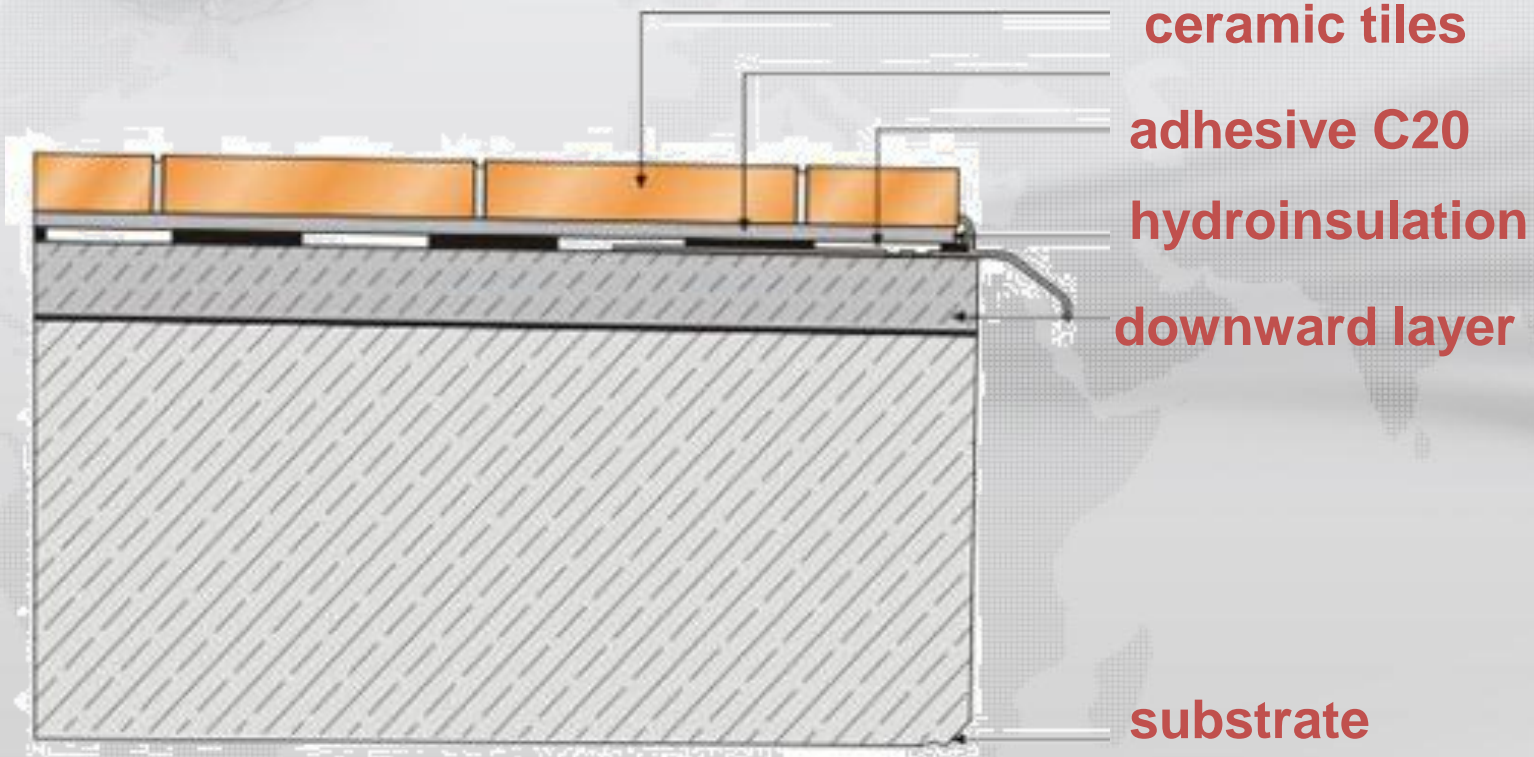


Terrace – full system



Balconies



Bathroom

**substrate
(primed)**

hydroinsulation

adhesive C20

ceramic tiles



Products:

Tytan Professional Liquid foil -

an acrylic-based dilutable in water dispersion with filler: quartz filler, coalescent and pigment.

What for? Waterproofing indoor/ outdoor floor and wall surface that are not subject to continuous immersion in water, or rising damp. It enable to obtain continuous and elastic watertight insulation.

Target channel: retail → building platform, construction materials hypermarket/market, wholesalers, construction materials/ sanitary shops,

Target user: home-user, semi-pro

Quality segment: upper medium

Price segment: medium



**EN 14891:2007 (2009) Liquid applied water impermeable products for use beneath ceramic tiling bonded with adhesives.
EN 1504-02:2006**

| | Value |
|--|------------|
| Adhesion to substrate [N/mm ²] (new and after ageing) | >0,75 |
| Watertightness (water pressure 150 kPa for 7 days) | watertight |
| Crack covering ability[mm] | >0,75 |

Pressure units:

1 MPa =

1000 kPa =

1 N/mm² =

10m water column=

9,87 atm

| | | |
|---------------------------------------|---|--|
| Tension resistance in 21°C | 3N / mm ² | |
| Superficial absorbability during 24 h | 4,80% | |
| Adhesion to substrate | Concrete:1,5 MPa Drywall plaster: 0,5MPa | |
| Scratch covering ability | 1,0 mm | |
| Minimum layer thickness | Damp area: 1mm Flowing water: 1,5 mm | |
| Water tightness at 0,15Mpa (7 days) | Watertight (even at 0,5Mpa) | |
| Dry mass content | 66% (m/m) | |
| Application temperature | from +5 to +25 | |
| Curing time for 1 layer | 6h | |
| Full hardening time for coat | 24h | |
| Tiles fixing | after 24h | |
| Density | aprox. 1,3 kg/dm ³ | |

NOTE: The drying time is given for temperature 23°C ±2° C and relative air humidity 55 – 60%. Lower temperature and higher humidity makes the curing time remarkably longer.

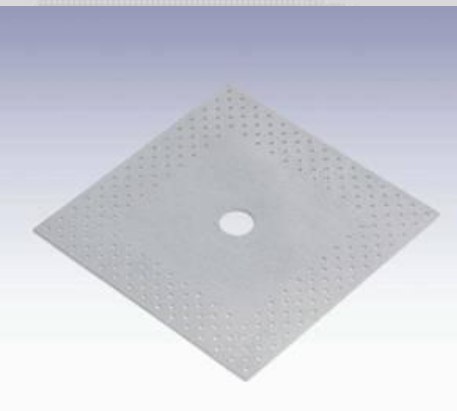
Accessories:

Tytan Professional sealing tape for waterproofing 120/70/50
(width: 120 mm, working width: 70 mm, length: 50m)

Tytan Professional sealing tape for waterproofing 120/70/10
(width: 120 mm, working width: 70 mm; length: 10 m)

Sealing floor cuff Tytan Professional 425/425

Sealing wall cuff Tytan Professional 120/120



Sealing tapes – offer for 2011



**Elastomer + mesh
for Hydrol 1K**



**3 layer
(fliseline+elastomer +
fliseline)**

for Hydrol 2K

Deep Penetration Primer



- ✦ **surface-strengthening**
- ✦ **improves adhesion**
- ✦ **reduces absorbency**

Contrary to standard primers it contains fine resins, penetrates deeply, significantly strengthening surface, improving the adhesion.

Fine resins have very small particles, therefore primer is not white but semitransparent and has low viscosity.

Deep primer – product comparison

| Product | Standard 1:3 Primer | Den Braven – Hloubkova Penetrace | Tytan Deep Primer - |
|--|------------------------|--|------------------------|
| Density | 1,04 | 1,04 | 1,01 |
| Dry mass % | 8-12 | 7,6 | 12,0 |
| Ability to bond porous substrate [grams of anhydrite bound by 1g of primer] | 3 | 3,3 | 6,7 |

Application – Where to use

Rooms exposed to temporary moisture such such as:
kitchens, bathrooms, shower cabins, laundries,
basements.



Application – product preparation

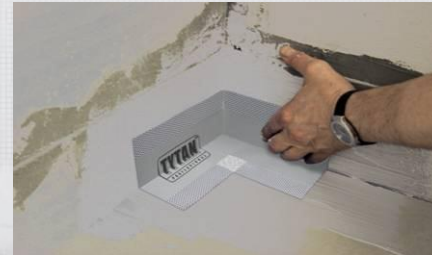
Stir Hydrol 1K with low rotating mixer.



Application – edges, pipes



corner tapes



sealing floor cuff



sealing wall cuff



Application – 2 layers

Use paint brush or roller.

a) Apply 1st layer (smooth & thin) (ca. 0,5 kg/m²)

d) Wait until the first layer is dry (about 3-5 hours).

e) Apply the 2nd layer (perpendicular to the previous one) (ca.0,6 kg/m²)

f) On the substrates exposed to intense influence of dampness apply additionally 3rd layer of Liquid foil.



| Product | Packaging | Quantity / box | Quantity / pallet | Sale on other markets (pcs) | Sale mix |
|-----------------------|-----------|----------------|-------------------|-----------------------------|----------|
| Hydrol 1K Liquid foil | 1,2kg | 6 | 378 | 37% | 3 (6) |
| | 4 kg | - | 144 | 46% | 4 |
| | 12 kg | - | 55 | 17% | 1 |
| Deep primer | 1l | 12 | 648 | | |
| | 5l | - | 108 | 100% | |
| Tape | 10m | | | 67% | |
| Tape | 50m | | | 33% | |
| | | | | | |

Transport and store in originally closed packaging, in dry conditions, in temp. from +5°C to +25°C. Shelf life is 12 months from the date of production which is shown on the packaging.

Do not freeze the product.

| | TYTAN PRO SYSTEM | MAPEI SYSTEM | CERESIT SYSTEM |
|---|---|---|--|
| 1 |  <p>TYTAN GRUNT: 1, 5 and 10 liters</p> |  <p>MAPEPRIM SP: 5, 10 and 25 liters</p> |  <p>Ceresit grund CT-17 10 liters</p> |
| 2 |  <p>TYTAN 1K Liquid Foil 1,5; 4 and 12 kg</p> |  <p>Mapegum WPS - Liquid Foils: 5, 10 and 25 kg</p> |  <p>Ceresit CL 51 1K: 5 kg</p> |
| 3 | <p>Hydrol 2K tekuta lepenka</p> <p>TYTAN 2K cementuos liquid foils (cement + liquid)</p> |  <p>Mapelastico cementuos liquid foils (cement + liquid)</p> |  <p>Ceresit CL 50 2K: 5 + 5 kg</p> |

LIQUID FOIL TYTAN HYDROL 1K

BENEFITS

Assures water tightness in the rooms exposed for temporary water/moisture. It is allowed both for internal and external use under ceramic tiles.

Easy to use

Creates permanently elastic membrane (covers the scratches in substrate up to 1mm)

Has very good adhesion (1,5Mpa to concrete)

High dry mass content – 66%

