

## weber.tec 828

### Waterproofing tape system

#### Special watertight tape system for reliable waterproofing of joints and pipe penetrations

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##### Fields of application

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The tape system consists of different sealing components: tapes, sleeves for pipe penetrations, inner corners and outer corners.

The components are used for bridging movement joints and for providing a flexible waterproofing of edge and connection joints in wall and floor areas, as well as for sealing pipe penetrations in wet-duty areas.

Can be used for water load classes W0-I up to W3-I according to DIN 18534-3 "Bonded waterproofing under tiles and slabs with liquid products for interior use", and also in areas with additional chemical spillage (oils, fats, cleaning agents etc.) as described hereafter:

**Low water load (W0-I):** walls of domestic bathrooms beyond shower areas / walls of domestic kitchens / floors of domestic rooms without drain, for ex. in kitchens, utility rooms, guest toilets.

**Moderate water load (W1-I):** walls of domestic bathrooms above bathtubs and in showers / floors of domestic bathrooms without or with drain without high water load from the shower area / floors of domestic rooms with drain.

**High water load (W2-I):** walls of showers in sports facilities and industrial premises / walls and floors in sports facilities and industrial premises / floors with drains or gutters and flush-floor showers.

**Very high water load (W3-I):** very high exposure to water on surfaces with very frequent or long-lasting exposure to spray water, service water or water of intensive cleaning operations, for ex. pedestrian areas around swimming pools / showers and shower rooms in sports facilities and industrial premises / walls and floors in commercial kitchens, laundries and breweries with chemical spillage.

All components **weber.tec 828** have a fleece lamination on both sides for bonding improvement.

The sealing tapes **weber.tec** are highly elastic in cross direction.

The expansion zone of the sleeves around the sanitary pipes can be adapted to different pipe sizes thanks to a pre-punched hole for enlargement.

For use indoors and outdoors.

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##### Description

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**weber.tec 828** is a transversally elastic, longitudinally rigid and water-repellent elastomer. The list of all sealing components **weber.tec 828** (tapes, corners and sleeves) is given in the section "Packagings".

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## Composition

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Extruded polyethylene sealing membrane between a polypropylene fleece

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## Main features

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- impermeable to water
  - alkali-resistant
  - suitable in permanent underwater areas
  - weather and age-resistant
  - highly tear-resistant and elastic
  - high bonding strength with subsequent waterproofing material
  - for use indoors and outdoors
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## Technical values

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Elongation at break:	190%
Temperature resistance:	-30°C - +90°C
Resistance to pressure water:	> 1.5 bar

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## Quality control

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**weber.tec 828** is subject to a regular quality control.

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## General notes

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- In case of movements of building parts lay the sealing tape in loop form over the expansion and movement joints to be in line with the expected movements.
  - The expansion zone should be installed centrally in the corner joints and above material transitions.
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## Special notes

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- Resistant to salt solutions or alkalis, as well as diluted acids and alkalis.
  - Not resistant to mineral oils, petrol, fuels and aromatics, such as toluene.
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## Substrate preparation

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- The substrate must be sufficiently load-bearing, clean, dry, frost-free, dimensionally stable, and free of all adhesion-impairing particles and substances.
- Remove loose or flaking mortar and paint residues carefully.
- The substrate must meet the requirements of national standards and/or guidelines relating to tile fixing, for ex. DIN 18157 "Execution of tilings and coverings by thin-bed method with cement-based mortars"; if not issued and if necessary, request technical advice.
- Observe the technical data sheets of the specific **Weber** bonded waterproofing system under tiles and slabs, used on the job site: **weber.tec 822** (liquid waterproofing foil) / **824** (1-comp. flexible cement-based waterproofing slurry) / **827** and **827 S** (flexible waterproofing epoxy resins) / **Superflex D 2** (2-comp. reactive waterproofing slurry) and **xerm 844** (2-comp. waterproofing, tile adhesive and de-coupling system).
- The substrate preparation must be adapted to the specific job site conditions.

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## Working instructions

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- Start the waterproofing works by installing all necessary **weber.tec 828** accessories.
- First apply a coat of the pre-said **Weber** waterproofing product (used as gluing coat) on the substrate in the specific areas, like joints, corners, pipe ducts etc.
- Afterwards all required components **weber.tec 828** are pressed into the fresh gluing coat.
- After drying of the waterproofing compound their sides are coated over with a second coat of the same material; this coat is applied approx. 1 cm over the fleece-free zone.
- When using the prefabricated inner corners **weber.sys 828** DI and/or outer corners **weber.sys 828** DA, first they must be glued with the waterproofing compound. Afterwards the sealing tape **weber.tec 828** DB G or DB 150 is embedded with an overlap of  $\geq 5$  cm over the prefabricated corner pieces in the butt area.
- Before bonding, clean the overlap areas of the sealing tape.
- When gluing the tape, make sure that its middle part (tension zone) remains free of adhesive; if necessary, temporarily cover this part with masking tape.
- Use a small trowel; do not use sharp-edged tools when pressing in and coating over.
- In case of structural waterproofing requiring horizontal and vertical joint sealing, take all necessary dimensions into account when cutting the tape so as to avoid unnecessary connections.
- The ends of unbonded tape parts should be roughened and protected with foil until final bonding.
- Protect the sealing tapes from direct mechanical loads.

# Technical Data Sheet



## Practical information

Colour:

yellow

Storage:

The product can be stored at least 24 months in its original unopened packaging, if kept dry, and protected from moisture and direct sunlight.

## Packagings

Type	Sales unit	Remarks
Sealing tape, perforated, width 12 cm	roll 50 meters	<b>weber.tec 828 DB 75</b>
Sealing tape, perforated, width 12 cm	roll 50 meters	<b>weber.tec 828 DB G</b>
Sealing tape, perforated, width 12 cm	roll 10 meters	<b>weber.tec 828 DB G</b>
Sealing tape, width 20 cm	roll 10 meters	<b>weber.tec 828 DB 150</b>
Sealing tape, self-bonding	roll 20 meters	<b>weber.tec 828 SK</b>
Sealing tape, acoustic and self-bonding (30 x 5 mm)	cardboard of 2 x 10 meters	<b>weber.tec 828 SD</b>
Pipe sleeve with expansion zone, small (15 x 15 mm) for pipes 10 - 24 mm, perforated	cardboard of 10 pieces	<b>weber.tec 828 MDK G</b>
Pipe sleeve with expansion zone, medium (17 x 17 mm) for pipes 35 - 55 mm, perforated	cardboard of 10 pieces	<b>weber.tec 828 MDM G</b>
Pipe sleeve with expansion zone, large (25 x 25 mm) for pipes 75 - 110 mm, perforated	cardboard of 10 pieces	<b>weber.tec 828 MD G</b>
Inner corner, perforated	cardboard of 10 pieces	<b>weber.tec 828 DI G</b>
Outer corner, perforated	cardboard of 10 pieces	<b>weber.tec 828 DA G</b>
Corner for bathtub, self-bonding	cardboard of 10 pieces	<b>weber.tec 828 DW</b>
Multi-use corner, self-bonding	cardboard of 10 pieces	<b>weber.tec 828 ME</b>

*The information in this technical data sheet is based on our current knowledge and experience at the time of printing. However, they do not guarantee in the legal sense.*