

WPM® METAL SHEET WATERSTOP 175R

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Metal sheet waterstop with a mineral coating

PRODUCT DESCRIPTION:

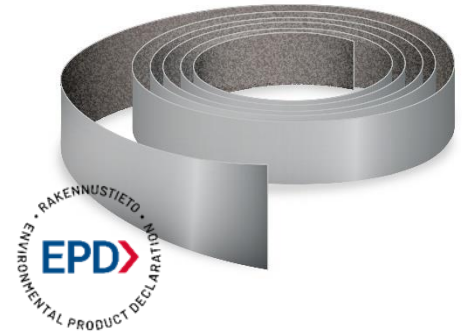
WPM® METAL SHEET WATERSTOP 175R is metal sheet waterstop with mineral coating.

AREA OF APPLICATION:

WPM® METAL SHEET WATERSTOP 175R is used to waterproof construction joints like floor-wall, wall-wall, floor-floor, and wall-ceiling against pressurized water in various below-grade reinforced concrete structures. The most common use areas are parking houses, water tanks, etc.

ENVIRONMENTAL DECLARATION:

EPD Certificate Number: RTS_283_24



PROPERTIES:

- Special coating, elastic, not reactive with water
- The mineral coating turns homogeneous with concrete
- Can be installed directly into the fresh concrete
- Can be installed with installation fixers
- Easy to connect with deformation PVC joint tapes
- Watertight against pressurized water up to 24 m (2.4 bar), officially tested at TalTech University - N° 372-A/19
- Tested for water pressure up to 15 bar - test protocol no.1/2024
- Made in Estonia

SPECIFICATIONS:

- Steel material: galvanized steel
- Steel sheet height: 175 mm
- Steel sheet thickness: 0,5 mm
- Steel sheet length: 7,5m
- Coating: elastic mineral coating
- Thickness of the complete sheet: approx. 1,0 mm
- Color:
 - Mineral coating: dark grey
 - Galvanized metal sheet: silver
- Temperature resistance: -35°C - +75°C
- Working temperature: no limits

CHARACTERISTICS AND ADVANTAGES:

- Easy and fast to install – not effected by the weather
- Special mineral coating does not react with water
- Turns homogeneous with concrete – more watertight seal!
- Life expectancy in the structure - structures lifetime
- Simple design and easy installation reduces potential installation errors

PACKAGE:

Box: 3 x 7,5 m detail, joint clips, 2 fixing glue tubes

STORAGE:

36 months in cool and dry conditions with the original package

The information given on the product page is based on and corresponds to the available information. The warranty covers the materials and does not extend to their incorrect installation and intended use. It is the user's responsibility to assess the material's suitability for the place of use. In case of doubt, it is necessary to carry out trial tests or ask for advice from the manufacturer.

INSTALLATION:

WPM® METAL SHEET WATERSTOP 175R metal sheet waterstop is installed in the middle of the construction joint. The mineral-coated side of the metal sheet waterstop is installed in the direction of the water load.

Installation in fresh concrete: Unroll the metal sheet waterstop all the way. Cut out required lengths and pre-install approx. - 30 cm above the construction joint to the rebars. Immediately after pouring the concrete, place the waterstop into the freshly poured concrete so it is placed in the middle of the construction joint. Make sure that about half the height of the sheet is inside the concrete (minimum 3 cm). Gently move the waterstop back and forth to ensure better adhesion to the concrete.

Installation before pouring concrete - Place the metal sheet waterstop on top of the reinforcement rods. The installation fasteners are installed in steps of 35-50 cm so that the metal sheet is located between the fixers. Attach the fixer to the reinforcing bars by twisting the ends around them. Ensure that the waterstop remains at least 3 cm deep inside the concrete structure (max. half the height of the selected tape).

Continuing connection- ensure that the overlap of the waterstop ends is at least 10 cm. Next, apply a strip of glue from the tube in the kit to the center of the cover, press the ends of the metal sheet firmly together, and fix them with the clamps in the kit. To achieve a correct joint, use the glue included in the kit.

All WPM® waterproofing elements together in a system create an uninterrupted connection between all construction joints and controlled shrinkage cracks in the reinforced concrete structure.

NB! The installation may differ depending on the field of use. If in doubt, ask the importer for more information. The metal sheet coating is resistant to many chemicals. **If necessary, ask the importer for more information.**

RECOMMENDED TOOLS:

Connecting clips, glue tube, binding wire, binding hook.

SAFETY:

Wear gloves and other personal protective equipment when handling and installing the product.