



PRIMOSTAR® FORMWORK WATERSTOP (WPM® FORMWORK WATERSTOP)

ART.NR. 0005

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Hidden formwork waterstop to waterproof and finish construction joints.

PRODUCT DESCRIPTION:

The Primostar® Formwork Waterstop is a corrugated and perforated trapezoidal galvanized permanent formwork and waterstop that consists of two separate components:

- Galvanized steel sheet - 150 mm wide with a special polymer coating that provides a watertight connection with concrete.
- Corrugated and perforated trapezoidal galvanized steel sheet with a width depending on the structure's thickness.

The element is installed in cast-in-place concrete between the reinforcement rebars. The corrugated trapezoidal steel sheets are connected perpendicularly to the polymer coating waterstop, giving the construction joint a corrugated trapezoidal shape, which maintains the structure's strength.

PRODUCT & COMPANY CERTIFICATES:

EPD Certificate: RTS_283_24

ISO 9001: EE008413 (Quality Management System)

ISO 14001: EE008412 (Environmental Management System)

AREA OF APPLICATION:

Primostar® Formwork Waterstop is used simultaneously as a hidden or lost formwork and to waterproof the end of the construction joint. The element is used at floor, wall, or ceiling construction joint as a formworks.

PROPERTIES:

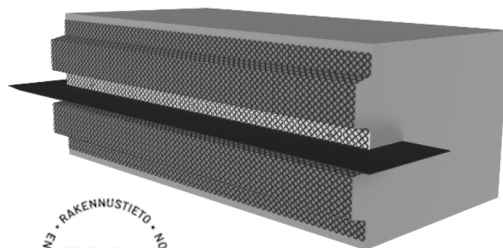
- Floor-, wall-, ceiling formwork and waterstop
- Watertight trapezoid-shaped corrugated construction joint
- Special coating – elastic, not reactive with water
- The polymer coating turns homogenous with concrete – better water-tightness
- Watertight against pressurized water up to 24 m (2,4 bar), officially 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 width: 150 mm
- Steel sheet thickness: 0,7 mm
- Element length: 2,2 m, 1,095 m
- Corrugated and perforated trapezoidal galvanized steel sheet width: depends on structures thickness
- Galvanized steel sheet coating: polymer coating
- Thickness of the polymer coating metal sheet: approx. 1,2 mm
- Color:
 - Galvanized steel: silver
 - Polymer coating: dark grey
- Temperature resistance: -35°C to +75°C
- Installation temperature: no limits

CHARACTERISTICS AND ADVANTAGES:

- Easy to install, up to 80% installation labor savings over traditional waterproofing
- Retains structure's strength properties (due to binding trapezoid-shaped construction joint/ formwork)
- Can be designed for load-bearing structures
- Waterproofs designed construction joint or end of construction joint as hidden formwork
- Special polymer coating does not react with water
- Turns homogeneous with concrete – more watertight seal!
- Can be used in cooperation with other types of waterstops
- Life expectancy in the structure - structures lifetime



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.





Primostar®

PACKAGE:

6 x 2,2 m main detail, joint clips, metal screws, corrugated and perforated trapezoidal galvanized steel sheets.
6 x 1,095 m main detail, joint clips, metal screws, corrugated and perforated trapezoidal galvanized steel sheets.

STORAGE:

36 months in cool and dry conditions with the original package.

APPLICATION:

Install the element between the reinforcement rebars at the specified spacing, depending on the structural dimensions. Connect adjacent elements using clips, ensuring an overlap of 7- 10 cm. Secure the element to the reinforcement with binding wire.

Continuing connection - Ensure that the waterstop overlap is 7-10 cm. Before concrete casting, place the overlapping ends tightly on top of each other and secure the joint with the clamps included in the kit. If necessary, screws may also be used, but only at the outer edge of the waterstop. *)

All PRIMOSTAR® 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.

*) Alternative joint connection with glue – The overlap of waterstop ends can also be installed with glue if the waterstop is placed before the concrete cast. Ensure that the ends to be connected are clean, place them tightly on top of each other, and secure the connection with clamps. If necessary, screws may also be used, but they must be installed only at the outer edge of the waterstop!

RECOMMENDED TOOLS:

Connecting clips, binding wire, binding hook, screwdriver (battery drill), and metal screws.

SAFETY:

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

Real life examples:



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