



Dehumidification systems, water repellent treatments, thermo-acoustic insulation, waterproofing



Certified Quality System since **FEBRUARY 1993**

From Project to Jobsite

WAM 101 RED

WATERPROOFING CONSTRUCTION JOINT

Description WAM 101 RED is a waterstop based on natural sodium bentonite and butyl rubber with hydro-expansive characteristics.

Advantages and characteristics

- WAM 101 RED is easy to apply, only a clean and sound substrate is required and the nails and fixation net remain as auxiliary tools.
- Not necessary to weld together, it is sufficient to draw near the ends.
- No need for special spaces, specific formwork shapes or incorporation in the fresh concrete.
- Seals against water penetration in a deformable way and thus accommodates for minor irregularities in the substrate of poured concrete, grace to the exceptional expansive properties.
- The activation occurs autonomic and by the presence of environmental water. the difference between the maximum expansion (6 times the original volume) and the effective expansion is a safety guarantee for the efficiency in time.
- Maximal resistance when subjected to water pressure

Indicated use WAM 101 RED is used to seal concrete applications in underground construction and will be confined by minimum 8 cm concrete cover.

Method of use

- Clean the substrate from all dirt and incoherent parts.
- Remove the paper from the joint WAM 101 RED.
- Install the WAM 101 RED in the centre of the new concrete application, or where required, allowing a confinement of 8 cm concrete cover. Nail each 30-40 cm with the positioning net remain.

Remark

- Distance holders, reinforcement steel, etc shall not perforate the WAM 101 RED and shall be installed minimum 3 cm above the joint.
- WAM 101 RED can not be used in dilatation joints.
- Consult our Technical department for the suitability of the product for applications in contact with contaminated or saline water.

Packaging

Box of 30 linear meter (6 rolls of 5 meter) – section 20x 25 mm

Technical Data (typical values)

- Colour red
- Density ca. 1,6 kg./l.
- Maximum hydraulic pressure in perfect confinement $\geq 2,0 \text{ N/mm}^2$ ($\geq 200 \text{ m}$ of hydrostatic head)
- Expansion in distilled water at 7 days > 400%
The expansion also continues after 7 days and always is more than 500% and often more than 600%.
- Temperature of application From -20°C to + 50 °C

Safety indications

Read carefully the safety indications on the packaging, or consult the relevant Material Safety Datasheet of this product.

The above information is based on our best experiences and lab results and on results of the application of the product in various fields. Tecnochem Italiana is not responsible for negative performances due to not proper use of the product or for defects due to elements not connected with the quality of the product included wrong storage. Technical characteristic in this technical data sheet are up-to-dated periodically. Revision date of this technical data sheet is indicated below. Changes of this data sheet can be found in our web-site www.tecnochem.it where you can find the same technical data sheet updated in real time.

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Rev.n. 2

WAM 101 RED
pag. 1/1