

# INSTALLATION INSTRUCTION - HYDRA® RX 101

## INTRODUCTION

HyDra® RX 101 is an expanding waterstop for castings, which consists of 75% pure sodium bentonite and 25% butyl rubber.

In contact with water, the waterstop expands up to 210 % of its own dry volume.

The sealing is due to a hydrostatic pressure forming in the bentonite, which provides a waterproof barrier against water penetration.

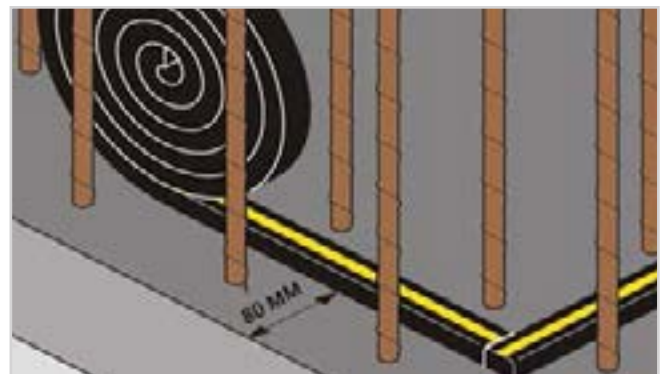
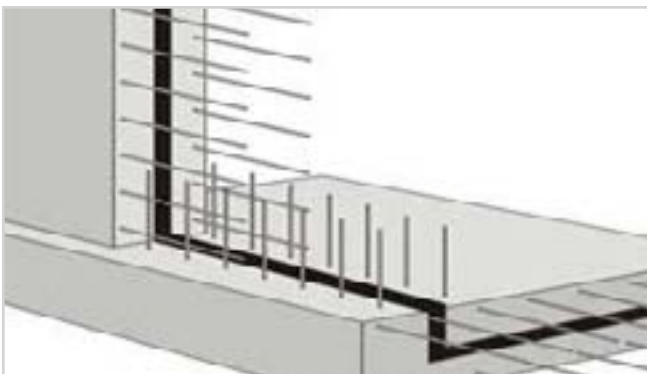
During the expansion, HyDra® RX gradually injects itself into all cracks and crevices, thereby ensuring a complete seal.

Used for in-situ castings for sealing of castings, pipe penetrations, sewage systems, etc.

Can also be used in salt water where the salt content does not exceed 2%, although with reduced expansion.

The waterstop must have a concrete cover of min. 80mm. For installation, it is recommended to use Revofix net, HauCon Universal Adhesive or HyDra® Swelling Paste SX 100.

**Note:** The waterstop should not be submerged in or covered by water.



## MONTAGE

- Before installation, remove loose stones and concrete residues
- The surface must be cleaned of concrete slurry, ice, binding wire etc.
- The waterstop must not come into contact with moisture or water before casting.
- The waterstop is to be placed centrally in the joint, unless otherwise prescribed.
- The concrete cover must be min. 80 mm. IMPORTANT
- The waterstop be in contact with the base, use a net for mounting.
- The net must be fixed properly, as it must not come loose during casting.
- Alternatively, HauCon Universal Adhesive or HyDra® Swelling Paste SX 100 can be used to install the waterstop.
- The crossing point, corners and edges must butt, no overlaps.
- Waterstops that have started to expand must be replaced with new ones.
- The concrete surface where the waterstop is mounted must be moistened with water before casting.
- The waterstop must be casted in carefully.
- Do not expect immediate sealing. The waterstop expands slowly