

# DE NEEF<sup>®</sup> Pipe Plug

Unique kit composed of a 1-component polyurethane resin with accelerator, protective gloves and a bag of polyester fibres to stop water leaks through pipes, wire conduits, cable transits, etc.

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## Product Description

In its uncured state the 1-component resin grout is a dark brown, non-flammable liquid. When the product is mixed, and after being soaked into water, it expands and cures into a rigid closed-cell polyurethane foam.

## Field of application

Designed to cut off water leaks through pipes, wire conduits, cable transits, etc.

## Advantages

- Solvent free.
- User friendly: all components in 1 kit.
- The cured foam is resistant to most organic solvents, mild acids, alkaloids and micro-organisms.

## Application

Prepare the void or cavity to be filled by removing all dust and loose particles with compressed air or water. If, possible, insert a stopper at the rear end of the pipe to contain the expansion of the plug and densify the foam.

Spread the cables evenly to assure all-round penetration of the expanding plug.

### 1. Application procedure

- Remove the large metal can from the box.
- Put on the gloves.
- Pour the content of the small plastic accelerator bottle into the large metal resin can.
- Shake thoroughly.
- Pour the mixed resin over the polyester fibres when they are still in the bag and soak the fibres by kneading well.
- When a homogenous colour is obtained, the mixture is sufficiently kneaded.
- Take the mixed fibre wad out of the bag and activate the plug by immersing in water. The plug must be soaked well to get a good activation.
- Insert the plug as far as possible into the opening, immediately after soaking.
- Exert pressure for a sufficiently long time to obtain a dense and closed cell foam.

## Technical data / Properties

| PROPERTY                                   | VALUE | STANDARD      |
|--|-------|---------------|
| Free expansion after activation with water | 5V    | Internal test |

## Appearance

White polyester fibres.

Dark brown polyurethane resin.

Black transparent accelerator.

## Consumption

1 set expands 5 times in volume (60 to 90 seconds at 21 °C).

A complete kit of DE NEEF® Pipe Plug is enough to block a tube with a diameter of 10 cm over a length of 70 cm. For larger pipe sizes, several kits may have to be used.

## Packaging

Cardboard box (35 x 25 x 24 cm) of 5 kits.

Kit

- Component A: large metal can: content 450 g resin.
- Component B: small plastic bottle: content 21 g catalyst.
- 28 g polyester fibre wad.
- 1 pair of gloves.

1 pallet = 40 boxes

## Storage

DE NEEF® Pipe Plug is sensitive to moisture and should be stored in original packaging in a dry area. Storage temperature must be between 5 °C and 30 °C.

Shelf life: 2 years.

## Health and Safety

Users must read and understand the product label and safety data sheet (SDS) for each system component before use. All users should acquaint themselves with this information prior to working with the material. Carefully read detailed precaution statements on the product label and SDSs before use. The most current SDSs can be obtained from the GCP website at [gcpat.com](http://gcpat.com) or by contacting GCP at +1-703-741-5970.

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