

### Product Description

Xypex Patch'n Plug is a specially designed, fast-setting, hydraulic cement compound for concrete patching and repair. Patch'n Plug stops flowing water in seconds and is used to seal cracks, tie holes, and other defects in concrete. The sealing performance characteristics of Patch'n Plug are enhanced by Xypex's unique crystalline waterproofing technology.

Xypex Patch'n Plug is intended for use only by professional applicators.

### Recommended for

- Stopping an active flow of water through cracks and defects in the substrate
- Repair of tie holes, honeycombs and rock pockets
- Repair of leaking construction joints
- Sealing around pipe penetrations

### Advantages

- Single component
- Very rapid setting
- Quick return to service of water holding structures
- Contains Xypex's unique crystalline chemistry for self-healing of cracks
- Cement-based – compatible with concrete and masonry substrates
- Non-toxic / no VOCs

### Product Characteristics

Compressive Strength (EN 12190)	24 h	16,0 MPa
	28 days	25,0 MPa
Setting Time (EN 196-3)	Initial	2:00 – 4:00
	Final	5:00 – 9:00
Adhesive Bond (EN 1542)	1,5 MPa	
Flexural Strength (EN 196-1)	4,4 MPa	
Density of Fresh Mortar (EN 1015-6)	1985 ± 100 kg/m <sup>3</sup>	

Please consult your local Xypex Representative regarding use in a chemically aggressive environment.

### Directions for Use

For plugging, chip out the crack or other defects to a depth of 40 mm and a width of 25 mm. The slot should be U-shaped; a V-shaped slot is not acceptable. In case of active water leaks, the slot may need to be deeper. For patching, chip out faulty concrete until a sound substrate is reached. Remove all loose material and saturate the cavity with clean water. Allow water to be absorbed into the substrate, achieving a saturated surface dry condition.

Add 1 part water to 3.25 - 3.5 parts Patch'n Plug by volume and mix to the consistency of a stiff putty. Do not mix more than can be used in 3 minutes. For best results, water temperature should be approximately 15°C - 20°C. Form a plug with a gloved hand. Place the plug into the cavity, pressing firmly until the plug is hard. When sealing leaking cracks, begin at the point of lowest water flow and work towards the point with the greatest water flow.

Where there is a high volume of water flow due to extreme hydrostatic pressure, a bleeder hose may be necessary to relieve the water pressure while sealing the repair area. Please consult your Xypex Representative for guidance.

### Packaging

Xypex Patch'n Plug is available in 10 kg pails and 25 kg pails.

### Curing

Patch'n Plug should be cured as standard concrete according to the requirements of EN 13670-1 and EN 206. The repaired area should be kept wet for a period of min. 48 hours.

## Storage

Xypex products must be stored dry at a minimum temperature of 7°C. Shelf life is two years<sup>1</sup> when stored under proper conditions.

<sup>1</sup> The user of this product must check their local health and safety regulations, as cementitious products that contain chromium VI may have a reduced shelf life. For those markets subject to regulations concerning the control of soluble chromium VI, where the limit is set at 2 ppm, this product has a shelf life of 12 months.

## Health & Safety

Xypex is alkaline. As a cementitious mixture, Xypex may cause skin and eye irritation. When working, it is therefore necessary to comply with the health and safety regulations. Please refer to the safety data sheet. The disposal of product residues must follow local regulations.

## Certification

Xypex Patch'n Plug is certified as an R2 non-structural repair mortar according to EN 1504-3. The certification of the product and regular audits are carried out by Notified Body 1020 TZUS.

 1020	
<b>Xypex Germany GmbH.</b> <b>Ludwigsluster Chaussee 5</b> <b>D-19370 Parchim, Germany</b> 13	
<b>Non-structural Repair, Class R2</b> EN 1504-3 • DOP XEU_PNP.01	
Compressive Strength	≥ 15 MPa
Adhesive Bond	≥ 0,8 MPa
Total chloride	< 0,10 % by mass