



PATCH'N PLUG

Technical Data Sheet

Product Description

Xypex Patch'n Plug is a specially designed, fastsetting, hydraulic cement compound for concrete patching and repair, in accordance with EN 1504-3. 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.

Recommended for

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

Product Characteristics

Compressive Strength - 1 hour:	> 5,0 MPa
Compressive Strength - 24 hours:	> 15,0 MPa
Setting Time:	1- 4 minutes
Water impermeability:	impermeable
Adhesive Bond:	> 1,5 MPa
Bulk density:	2.050 ± 100 kg/m³
Chloride Ion Content:	< 0,05 %

Please consult the distributor regarding a proposed use in a chemically aggressive environment.

Directions for Use

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 plug with gloved hand. Place plug into cavity pressing firmly until plug is hard. When sealing cracks, begin at the point of lowest water flow and work towards the point with greatest water flow.

For detailed information please consult Xypex technical documentation, incl. Xypex Patch'n Plug product sheet and Xypex Specification Manual.

Surface preparation

Chip out crack or other defects to a depth of 37 mm and a width of 25mm. The slot should be in 'U' shaped, a 'V' shaped slot is not acceptable. In case of active water leaks the slot may require to be deeper.

Flush away all loose materials and dirt from the cavity with water and a stiff brush.

Curing

Should be cured as standard concrete according to requirements of EN 13670-1 and EN 206.

The repaired area should be kept wet for a period of min. 48 hours.

Packaging

Metal pail with PE bag, weight 25 kg

Plastic bucket with PE bag, weight 5 kg

Storage

Xypex® products must be stored dry at a minimum temperature of 7°C. Shelf life is 5 months when stored in unopened containers under proper conditions. The product retains its properties for a period of one year.

However, the product contains Chromium (VI) and may produce an allergic reaction. The cement in this product contains a reducing agent; the effectiveness of the reducing agent reduces with time. Use of this product after the end of the declared storage period may increase the risk of an allergic reaction. Reducing agents do not make cementitious products safe to handle without PPE.

Health & Safety

The composite mixture is highly alkaline, non-toxic.

During work, the safety instructions and applicable health and safety regulations of the relevant authorities must be observed. Personal protective equipment (clothing, goggles, gloves) should be used. Avoid direct contact with the mixed mixture during application. If skin contact occurs, immediately wash it thoroughly with clean water.

If unpleasant feelings continue, immediate medical attention should be sought. If eye contact occurs, immediately wash out with clean water and seek immediate medical attention.

Waste Disposal – Follow the relevant waste handling legislative. Packaging can be stored in a landfill or handed over to a specialist company for disposal.

Detailed information is available in the Material Safety Data Sheet.

Certification

Xypex Patch'n Plug is certified as a R2 non-structural repair mortar according to EN 1504-3. The certification of the product, and regular audits of FPC are carried out by Notified Body 1020 TZUS (060-051352).

Continuous production quality control is done by Accredited Testing Laboratory No. 1687 LABBET®.



Manufacturer: Xypex CE s.r.o., Thákurova 7, Praha, Czech Republic, Phone: +420 233 323 902, Email: info@xypex.cz
Distributor:

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