



SOLHYDPLUG

Very fast setting repair mortar
for stopping active water leaks

SOLHYDPLUG is a very fast setting repair mortar specially formulated to plug and stop active water leaks and to repair concrete structures. SOLHYDPLUG is also used for sealing cracks and for setting injection ports for concrete injection work.

■ USES

SOLHYDPLUG is used to stop active water leaks and to seal cracks to enable crack injection work.

TYPICAL USES:

- Plug water leaks in concrete walls or structures
- Repairs to prefabricated concrete pipes and structures
- Plug leaks and perform substrate repairs in pipes and manholes
- Fast repairs and return to service of water treatment infrastructure

■ PRODUCT FEATURES

- Excellent bond to concrete
- Very fast set time
- Dimensionally stable
- Shrinkage compensated
- Can be applied at various thicknesses
- Good chemical resistance to corrosive solutions commonly present in wastewater environments and to sulfates present in the wastewater treatment conduits and plants
- Very easy to use

■ SURFACE PREPARATION

A good surface preparation is obtained when the repair mortar is solidly bonded to the substrate. Surfaces to be repaired must be clean and rough. Remove any existing curing agent, oil, grease, delaminated concrete, dust, debris or any other substance that may inhibit bond. Remove concrete to form a V groove, or simply a hole.

■ PRIMING

No primer required.

■ PRODUCT MIXING

- Mix mortar with water and wait until an almost hardened consistency is obtained.

MATERIAL PHYSICAL PROPERTIES @ 23°C (75°F), 50% R

COMPRESSIVE STRENGTH ASTM C109

28 days	35 MPa	(5,075 psi)
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TENSILE STRENGTH ASTM C882

1 day	12.9 MPa	(1,870 psi)
7 days	20.7 MPa	(3,000 psi)

SET TIMES ASTM C266

Initial set	90 seconds
Final set	150 seconds



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■ PRODUCT APPLICATION

Insert SOLHYDPLUG into leak's opening until it is plugged. For prefabricated concrete structures, apply SOLHYDPLUG manually to fills all voids and honeycombs using rubber gloves.

■ CURING

SOLHYDPLUG is a self-curing material.

■ ESTIMATING / YIELD

SOLHYDPLUG is packaged in 22.7 kg (50 lbs) bags or pails that yield a volume of approximately 12 L (0.42 pi³) when mixed with potable water. Each bag will cover approx. 1m² (11 pi²) at a thickness of 10 mm.

■ PRECAUTIONS / RESTRICTIONS

- Do not apply over fresh or partially cured concrete
- Do not use a bonding agent
- Do not apply at temperatures below 2°C
- Do not add any admixtures to this material

■ PACKAGING

SOLHYDPLUG:

22.7 kg (50 lbs) bags or pails

■ RECOMMENDED TOOLS

The following tools will assure a cost effective, satisfactory installation:

- Rubber gloves
- • Mixing recipient
- • Masonry trowel

■ CLEANING

Use water to clean all tools and equipment.

■ STORAGE

Store material in a dry, temperate area.

■ SAFETY

See Material Safety Data Sheet.

BMQ SOLUTIONS WARRANTS that the product conforms to its chemical description and is reasonably fit for the purpose stated on its Technical Data Sheet when used in accordance with its directions. BMQ Solutions makes NO OTHER WARRANTY either expressed or implied.
Buyer assumes all risk in handling.

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