

SOLHYDROC

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

SOLHYDPLUG does not require any primer.

■ PRODUCT MIXING

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

■ PRODUCT APPLICATION

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

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

COMPRESSIVE STRENGTH ASTM C109			SET TIMES ASTM C266	
28 days	35 MPa	(5075 psi)	Initial set	90 seconds
TENSILE STRENGTH ASTM C882			Final set	150 seconds
1 day	12.9 MPa	(1870 psi)		
7 days	20.7 MPa	(3000 psi)		

SOLHYDROC

SOLHYDPLUG

Very fast setting repair mortar for stopping active water leaks

■ 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.

■ SECURITY

See Material Safety Data Sheet.

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

For Professional Use Only

www.solhydroc.com