

Hydratop

*Acrylic-Based Repair Mortar
For Very Fast Repairs.*



Description

Hydratop is a 2-component repair mortar consisting of Part A : Dry powder and Part B : liquid component. Specially formulated for achieving quick repairs with full loading within a short period of time. Liquid component consists of specially formulated acrylates. Grey color. Hydratop remains workable also at sub-zero temperatures and may be applied down to -25 °C. Hydratop is available and ready-packed for different application thicknesses.

Object

- For concrete repairs to floors, curbs and other cementitious-based structures in cold stores
- For repairs to floors in factories and warehouses where very quick repairs are needed and minimum re-commissioning time required
- Concrete repairs to horizontal, vertical or inclined surfaces
- For filling cavities in concrete, such as honeycombs and voids
- For repairs to steps in stairs of concrete, marble or other natural stones
- Does not require priming of surface prior to application
- For quick repairs to floors where low spots have to be rectified on floors for VNA and other high lifting fork-lift trucks requiring very flat floors
- For quick spot repairs to bridge-decks, concrete surfaces of expressways and high-way, ramps, air-port aprons, etc

Advantage

- Excellent workability at low temperatures
- Unaffected by frost-conditions
- Hardens and cures down to -25 °C
- Bonds very well to surfaces subject to frequent temperature changes (door-areas in cold stores)
- Very high early strength and flexural strength
- Complete water-resistance
- Easy to use for different thicknesses

Instruction for Use

- Concrete surface must be free from oil, laitance, fat, grease and loose particles.
- Cracks should be filled with a suitable material such as Hydrapox Injection or Hydraseal available from ACT.
- Construction joints and expansion joints should be filled with a suitable joint sealant such as Hydrflex 300 available from ACT or other kinds of sealant such as of bituminous, rubberized sealants if used on expressways, high-ways, etc
- Use a paddle type mortar mixer or a suitable conventional drum mixer; the use of a paddle type mixer will allow less water requirement to achieve a given consistency and a reduction in any tendency of the mix to lump and to become segregated.
- Hydratop is available in kits from ACT that contain all ingredients for one mix.

- Do not change proportions of ingredients in the kit but use up all ingredients in one mix. One kit consists of: liquid concentrate in a container; dry material in bags.
- One kit contains material for 100 parts of powder and 14 parts liquid. Depending on consistency required, more liquid may be added (up to 20 parts) for a very smooth, self-flowing and easily trowelable surface; or down to 10 parts liquid in relation to powder so as to obtain a more stiff product that can be used on vertical or inclined surface or where other conditions require that the material does not flow out.
- Mix together the two components in the required proportions and mix with a suitable low-speed drilling machine equipped with a paddle.
- Pot-life is about 30 minutes at ambient temperatures. At low temperatures (sub-zero, down to -25° C) pot-life may be up to 1 hour depending on the amount of liquid added.

Characteristics

Form:	Part A : Powder Part B : Liquid
Density:	2.1 kg/l.
Appearance :	Grey
Setting time :	20-30 minutes
Compressive strength :	150 ksc @ 3 Hr. 500 ksc @ 28 Days
Flexural strength :	150 ksc @ 28 Days

Packing

25 Kgs./Set

Precaution

Eye-protection and gloves recommended. If material comes in contact with eye, rinse immediately with plenty of clean water without rubbing. If continued irritation, contact medical doctor.

Storage

Store under dry conditions and in unopened containers, not below + 5 °C.

Do not expose to strong sunshine. Keep well away from open flames.

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