



SEALCRETE CRYSTALLINE

Sealcrete Crystalline transform your porous concrete to an impermeable barrier by becoming an integral part of the concrete matrix when applied to existing concrete and exposed to water.

Sealcrete Crystalline is a rigid waterproofing comprised of needle-like crystals that fill pores and voids of concrete to permanently block pathways for water penetration. These crystals also grow over a period of weeks to months which can uniquely self-seal the naturally occurring microcracks (up to 0.4mm) due to settling and shrinkage.

FEATURES

- Self-sealing of hairline cracks (up to 0.4mm)
- Can be applied on fresh or green concrete
- Long Term Durability against wear and tear or deterioration
- Reactivates in the presence of moisture
- Effective against hydrostatic pressure
- Waterproof from any direction (positive and negative side)

PRODUCT DATA

Product info

Color	Gray
Type of Finish	Rigid and slightly rough
Pot-Life	1 to 2 hours
Water to Powder	0.36 or 1water:3material
Shelf Life	12 months in cool, dry place

* Results may vary depending on actual use and site conditions

Performance Properties

			w/ SEALCRETE
		BLANK	CRYSTALLINE
water absorption	ASTM 642	12.20%	2.70%
self-healing	9-15weeks	none	yes
Hydrostatic Pressure	560.7lb/sq.ft	Fail	PASS
	19psi	Fail	PASS

SURFACE PREPARATION

- It should be clean and free from dirt, oils or waxy films, loose materials, concrete sealers, curing compounds and other contaminants which may interfere with proper bonding.
- Remove existing coatings or laitance by water or sand blasting or any forms of abrasive system.

MIXING

Mix 4.5 Kg BETONIT CRYSTALLINE with 1.5 liters of clean water or 25 Kg bag with 8.25 liters of water. Mix thoroughly with slow speed drill equipped with mixing paddle until a creamy consistency is achieved. Allow the mixture to stand for 15 minutes before using.

APPLICATION

1. Saturate concrete prior to application. This is necessary to promote activation of crystals.
2. Slurry coat may be applied using tampico brush. Force application on opening and joints.
3. Apply second coat when first coat achieves initial setting time (1hour)

CURING

Curing plays an important role to ensure durability and effectiveness of the material:

1. Moist curing must begin as soon as material has reached its initial setting time. Usually comes 1 to 2 hours after application.
2. It should be continuously sprayed 4 times daily for minimum of 48 hours to maximum of 1 week before waterproofing property will take effect.

AREAS OF APPLICATION

Water Retaining Areas

Tanks, Swimming Pools, Ponds, Tunnels, Bridges, Dam, Reservoir, Cistern Tanks, Sewage, Shower Rooms, Etc.

Non-Retaining Areas

Parking lot, Firewall, Kitchen, Bathroom, Roof deck, Basement, Garage, Etc.

LIMITATIONS

- Do not add extra water on stiffen mixture. Try remixing with slow-speed drill equipped with mixing paddle.
- Initial observation of this material may not work for it needs several days of moist curing for crystals to activate.
- In the absence of further moisture, crystals lie dormant. But if moisture recurs at any time, the sealing process resumes automatically.

PACKAGING 4.5Kg can and 25Kg bag

SAFETY DATA

- Avoid inhalation of the powder
- Avoid eye contact, wearing eye goggles is recommended
- MSDS available upon request