Steep Penetrating Concrete Sealer

Description

It is a spray applied, clear penetrating sealer, used for protection of old and new concrete structures. The clear sealer will penetrate deep into the concrete surface and react with the concrete to form a sub-surface gel. This gel seals the pores, capillaries and cracks. As long as water is present, the product will remain active and seal future hairline cracks against corrosion and deterioration caused by water, chlorides, sulphates, carbon dioxide, acid rain and natural weathering. It can also be used as water repellent on concrete structures and walls.

Features

- Increases concrete water-repellent, hardness, and strength
- Deep penetration for long lasting protection
- High resistance to external weathering, carbon dioxide, chloride and water ingress
- Seals existing cracks and new hairline cracks will be sealed on contact with water
- Polished, breathability, and non-toxic
- Easy, fast and economical application

Uses

It can be widely used for concrete roofs, podium decks, bridge decks, terraces, traffic bearing structures, runways, tunnels, water tower, driveways, underground engineering.

Technical Data

No	Item	Index
1	Appearance	Clear or yellowish liquid
2	Solid content, % ≥	10
3	PH	11 - 13
4	Density, g/cm^3	1.1 - 1.2
5	Viscosity, 25 °C，mm2/s	8-15
6	Application temperature, °C	+5 to +35
7	Theoretical coverage, m²/litre	4.0 - 5.0
8	Properties	Non-flammable

Yosaite Construction Materials Co. Ltd. www.yosaite.com
No.467, Changjiang Middle Rd., Huangdao District, Qingdao, China info@yosaite.com
Tel: +86 532 86107250, 86109320 Fax: +86 532 8610 7250 ext. 208

Packing
25 liters/pail, 200 liters/drum, 1000 litres/totes, or customized

Coverage
1 liter will cover concrete area 15 - 24m².
Rough and porous surfaces: 15m²
Very smooth, dense surfaces: 23 m²
Normal surfaces: 20 m²

Application instructions
Before start of repair work, preliminary examinations are necessary to ensure the desired result. Particularly important are the extent of moisture penetration in the existing structure and the presence of deleterious salts.

Surface Preparation:
New concrete: Surface should be fully cured, free from laitance, dirt, dust and any other forms of contaminants. Any membrane present on the surface must be completely removed. All joint sealant and caulks should be in place before applying the sealer.

Old concrete: Removal of all substances that may prevent absorption, i.e., oil, grease, loose particles, moss, algae growth, existing coating, curing compound and etc. To achieve maximum penetration, water jet or grit blast cleaning is recommended. Install concrete repairs and joint sealant prior to sealer application.

Application:
The sealer should be diluted with around 3 - 5 times water and applied 2 - 4 coats until the recommended application rate has been achieved. This is best accomplished with a low pressure spray application. It must be allowed to dry for minimum of 2 hours before any topcoat can be applied.

Cleaning of equipment: Tools, brushes and mixing equipment should be cleaned immediately after use and before material has set with water.

Storage
Recommended storage temperature is 5°C ~ 40°C; Stored in dry and ventilated conditions and avoid direct sunlight. Keep out of the reach of children.

Shelf life: 12 months
Keep containers covered when not in use.

Safety precautions
Personal protection: Irritation may result from prolonged or repeated contact with skin. Wear chemical resistant gloves, protective goggles and protective clothing if needed.

Eye contact: Rinse immediately with clean water for 15 minutes and seek medical advice.

Yosaite Construction Materials Co. Ltd.
No.467, Changjiang Middle Rd., Huangdao District, Qingdao, China
Tel: +86 532 86107250, 86109320 Fax: +86 532 8610 7250 ext. 208
www.yosaite.com
info@yosaite.com