

SUPER ACRYLIC INJECTION STIFFENER

NC-9500HS

This product is a new concept structure injection repair and reinforcing material that is made mainly of one-component acrylic emulsion resin and special additives. It is a water-based crack injection material with an excellent leakproofing effect even when injected in the wet state inside a crack. It is a concrete structure injection repair material for long-term maintenance that can even repair microcracks of various concrete structures by injection. The physical properties of the coating film with excellent elongation after curing are excellent in adaptability to progressive cracks such as uneven settlement and vibration of structures. Thus, a long-term waterproofing effect can be expected.

Usage

Dry/humid surface injection of concrete structures
Injection repair for rooftop floor sheet waterproofing layer damage part

Specification

Paint type	Special acrylic emulsion water-based exterior / Injection stiffener		
Drying time	Category	20°C	Remarks
	Set-to-touch	2 hours	
	Dry-through	24 hours	
	Time required for top coat	24 hours	
Thinner	Use of undiluted solution	Coating Method	Exclusive injector
Specific gravity	Approx. 1.25	Solid volume ratio	Approx. 58 % (Weight ratio: Approx. 66%)
Theoretical Coverage	Theoretical application amount may vary depending on the coating method and film thickness.	Thickness of dried film	Varies depending on the construction method
Re-coating interval	20°C, Sufficient ventilation for a minimum of 24 hours	Color	Light Gray
Storage and preservation	12 months (Dry, cool, and dark place with good ventilation, room temperature 5°C~30°C, humidity less than 80%)		

Product Properties (Physical Property Data)

Superior elasticity	It is a one-component water-based paint with high crack resistance due to the elasticity of the film after drying.
Superior water resistance	It has a wall waterproofing effect due to the crack prevention effect. A sealing agent with excellent adhesion to cement, concrete mortar, etc.
Excellent workability	As injection is superior, even microcracks of structures can be repaired.

How to Use

Surface treatment	<ol style="list-style-type: none">1. Completely remove dust, dirt, oil, etc. after sufficiently curing the basis material. (More than 30 days for new coating)2. If it is repair coating, completely remove the aged old film with scraper, wire brush, disc sander, etc. before coating.
Coating Method	<ol style="list-style-type: none">1. After surface treatment, drill a hole with a diameter of 10mm, which is 50~60% of the total structure thickness, to the area where the crack penetrates or where waterproofing by putty repair is difficult in order to install an injection hole.2. After connecting the injection equipment to the injection port, sufficiently inject the acrylic injection agent by applying a pressure between 50 and 500 kg/cm². The injection port in which injection has been completed should be cured for at least 3 days, and checked for leakage.3. While checking for leakage at the injection port, if leakage is suspected, inject the super acrylic injection agent once more at a pressure of 350~450 kg/cm².4. Remove the injection port installed after injection repair and finish the surface with the waterproof cement.5. After completion of injection, curing and leakage check should be done before working.

