Eco-friendly Water-Based Epoxy Resin Paint

Penetration Elasticity/Waterproof Reinforcing Primer

Terrific GC-100

Terrific GC-100 is used to harden and waterproof wet concrete surfaces, blocks, brickwork surfaces, fiber cement boards, plywood and other surfaces. Unlike conventional sealers, it not only hardens the surface of the adherend, but also penetr ates deeply and adheres to it, strengthening the adhesion with the top coat. It also adheres well to wet surfaces, saltwater -damaged surfaces, and oily surfaces. It can also be used as a primer for wet surfaces, saltwater-damaged surfaces, and oily surfaces

■ Applications/features

- **As a primer sealer**

  It not only hardens the surface of the adherend, but also penetrates deeply and strengthens the adhesion with the topcoat. Since it is transparent, it does not affect the color coating film of the topcoat material. It can be used as a primer for acrylic resin paints, urethane paints, acrylic silicon resin paints, fluorine paints, and epoxy paints.

- **As a regeneration reinforcing primer for deteriorated colored vests**

  Penetrates and adheres to deteriorated color vests and roof tiles that could not be repaired by conventional coating methods, giving the roof tiles flexibility and regenerating them.

- **As oil surface primer**

  Adheres well to concrete surfaces soaked with kerosene, various machine oils, vegetable oils (salad oil, sesame oil, camellia oil, etc.) and can be used as a primer for oily surfaces.

- **As an asbestos-fixing sealer**

  It hardens over time, allowing it to penetrate deeply and bind asbestos.

- **As an admixture for concrete and mortar**

  By mixing cement with Terrific GC-100 and adjusting the cement paste, it can be used as a thin coating unevenness adjustment material for unevenness on the surface of concrete or mortar and areas where the paint has peeled off.

- **As a water proofing material**

  By using Terrific GC-100 and water proofing cement, it can make water proofing construction that lasts for a long time.

- **As a rust-preventing paint**

  Even if rust remains, it is possible to prevent the occurrence of rust by applying it.

《Appearance of penetration adhesion》

Terrific GC-100

Competitor's product

■ Product characteristics and properties

Color clear
Slightly glossy finish
Mixing 1:1 (main agent: curing agent) (volume ratio)
Resin content 34.0 ±2.0%

■ Construction points

		Sealer and curing coating	Oil surface Primer	Concrete protective mortar	Cement paint	Water proofing method
Mixed Combination Ratio	GC-100	１００	１００	１００	１００	１００
	Water	０～１００	—	—	—	—
	Cement	—	—	１００	１００	Water proofing cement １４０
	Sand	—	—	０～２００	—	—
Recommended number of coats		2	2	—	1	—
Coating per liter of area	smooth surface	9	4	—	5	5
	rough surface	7	3	—	4	4
	6 mm thick	—	—	０．６	—	—
Usable time	25°C	1.5 hours	1.5 hours	45 minutes	45 minutes	10 minutes
	35°C	30 minutes	30 minutes	15 minutes	15 minutes	5 minutes
Curing contact drying time		4 hours	4 hours	4 hours	2 hours	30 minutes
Curing drying time		24 hours	24 hours	12 hours	24 hours	12 hours
Curing completion date		7 days	7 days	7 days	7 days	7 days

■ Precautions for construction and handling

As much as possible, avoid construction when the surface temperature is 10°C or less, or when the humidity is 35°C or more and the humidity is 85%. Do not apply if it is likely to rain. After stirring, if the pot life (1 hour) has passed, never use it. The equipment used for construction should be washed well with hot water, cold water, or a neutral detergent immediately after construction. ・Be careful not to touch the skin or eyes directly, and to avoid inhaling steam or mist. Prolonged contact may cause skin sensitivity and itchy eyes. In case of contact, wash clothes and skin with water, and in case of contact with eyes, rinse with water for at least 15 minutes and consult a doctor.

《Construction example》

Rooftop waterproofing:
Finish with a top coat after applying GC-100

■ Packaging unit

1kg kit (main agent 500g: curing agent 500g) 4kg kit (main agent 2kg: curing agent 2kg)
20kg kit (main agent 10kg: curing agent 10kg) 34kg kit (main agent 17kg: curing agent 17kg)

[Development/Manufacturing]
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