

Polymer Cement Mortar

[Solvent-proof system]

SHORT FILLER

Thick Coating setting bed conditioning material for floor
hatched use

Two efficient setting time

THICK COATING

OVER
3 mm

Uses

- Repair of unevenness and a crack floor
- Repair of the floor stained by oil
- Repair of the old coating flooring materials
- Repair of Ceramic Tile Floor
- Repair of the surface remaining adhesive removed off Plastic Tile
- Exposed finish to FRP waterproofing surface

Features

- Two efficient setting time
- High water-proof
- High solvent and friction resistance
- High durability
- High flexibility for various repair needs with primer

Type

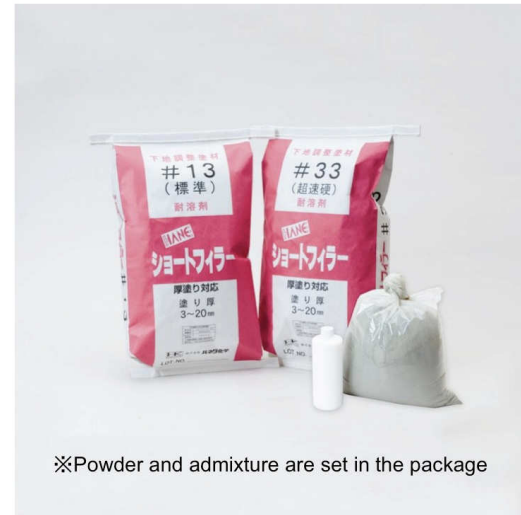
No.	TYPE	COLOR	Time (Summer)	Time(Winter)
SF#13	Standard	Gray	12-24H	24-48H
SF#31	Ultra Quick Hardening	Light Gray	4-8H	8-16H

Standard Coverage

No.	PACKING STYLE	MIXING PROPORTION			Pot life (min.)	Coverage m ² /set
		POWDER	ADMIXTURE	WATER		
SF#13	26ka/set •Powder (25kg)	25	1	2-3	60	•2.8m ² /5(mm) thickness
SF#33	•Admixture (1kg)					•1.4m ² /10(mm) thickness
					30	•0.7 m ² /20(mm)thickness

Concrete Combination ※when constructing at once (Over 15 mm thickness)

No.	PACKING STYLE	MIXING PROPORTION				Pot life (min)	Coverage m ² /set
		POWDER	ADMIXTURE	GRAVEL	WATER		
SF#13	26ka/set •Powder (25kg)	25	1	20	2.5-3.5	60	•1 m ² /25(mm) thickness
SF#33	•Admixture (1kg)						•0.5m ² /50(mm) thickness



※Powder and admixture are set in the package

◆ Primer (HANEDA BOND EPO) must be used for

- The old mortar and concrete
- The old hard floor (Color Concrete)
- The old coating floor (Epoxy ·Urethane)
- The floor stained by oil
- FRP waterproofing surface (Polyester)

◆ Primer (HANEDA SEALER) must be used for

The surface remaining adhesive removed off Plastic Tile

◆ Primer (HANEDA DANTAC) must be used for

- Ceramic tile floor
- Marble
- Membrane waterproofing material (Urethane)
- Waterproofed asphalt

◆ Finish Type

- Solvent system coating flooring-material (Epoxy·Urethane)
- Set Tile·Stone
- Waterproofing material (Asphalt·Urethane·FRP)

SHORT FILLER (THICK COATING)

Test Items		Type		Quality Standards
		#13	#33	
Setting Time (min)	Initial Set	185	30	JIS R 5201
	Final Set	285	65	
Mass of Unit Volume (kg/l)		2.1	2.1	> 1.8
Softness Variation (%)		18.5	—	$\geq \pm 20$
Bending Strength (N/mm ²)		11.2	10.3	> 5.0
Compressive Strength (N/mm ²)		57.9	43.8	> 10.0
Adhesion Strength (N/mm ²)	20°C+10	3.1	2.5	> 1.0
	Under 5°C	2.6	2.2	> 0.7
Absorbency (g)		0.5	0.1	< 2.0
Permeability (ml/h)		0.2	0.4	< 0.5
Length Change Rate (%)		0.06	0.08	< 0.15
Durability In Coating Materials (N/mm ²)		1.7	1.7	> 1.0
		OK		No damage, expansion, peeling
Durability In Tile Finish (N/mm ²)		3.0	2.4	> 0.6
Crack Resistance		No crack		No crack
Shock Resistance		No crack and peeling		No crack and peeling
Abrasion Resistance (g)		—	1.12	JISK7204 7.95g (Plain Mortar S/C=3)

※This test followed JIS A6916 (CM-2)

SHORT FILLER (ADHESION STRENGTH TESTS)

Type of Setting Beds	#11 · #21 · #31	#13 · #33
Mortar / Concrete	1.8~2.7	1.3~1.8
Tile	1.7~2.3	0.9~1.5
Marble / Granite	1.5~2.0	1.5~2.1
Inorganic Floor Finishing Material	1.5~2.3	1.5~2.1
Resinous (Epoxy / Urethane) Coating Materials	1.5~2.3	1.1~1.7
Spraying Tiles	0.8~1.5	—
The floor stained by oil	1.5~2.3	1.5~2.3
The floor remaining adhesive removed off Plastic Tile	0.2~0.8	0.2~0.8
Plywood	1.5~1.8	1.5~1.8
FRP	1.9~2.7	1.2~1.8
Membrane Waterproofing Materials	0.6~1.2	0.6~1.2
Asphalt Waterproofing Materials	0.6~1.0	0.6~1.0

※The numbers in yellow are the results with an appropriate primer

(Unit: N/mm²)

YABUHARA GROUNDWORK SERIES

Availability for various finishing materials
by high adhesion and function for setting
bed conditioning

1 *The conditioning for the concrete bed Impregnated with oil*

Various Finish

HANEDA BOND EPO

SHORT FILLER

- Thin coating type (1.4~3mm) / SF#11·21·31
- Thick coating type (Over 3mm) / SF#13·33

The concrete bed impregnated with oil (Washing is required / Detergent must be used)

※For thin coating, apply finish coat to a partially dry base coat. For thick coating, apply once or twice.

2 *Repair of the concrete surface exposed to the rain (exposure finish)*

SHORT FILLER

- Thin coating type (1.4~3mm) / SF#11·21·31

Concrete Bed (Washing is required)

※Apply thin finish coat to a partially dry base coat.
(※The color of SF#13·SF#33 is similar to concrete)

3 *The conditioning for the FRP waterproofing surface*

Various Finish

HANEDA BOND EPO

SHORT FILLER

- Thin coating type (1.4~3mm) / SF#11·21·31
- Thick coating type (Over 3mm) / SF#13·33

FRP Waterproofing Surface (Washing is required)

※For thin coating, apply finish coat to a partially dry base coat. For thick coating, apply once or twice.

4 *The conditioning for the surface remaining adhesive Peeled Plastic Tile/ Vinyl Sheet*

Various Finish

HANEDA SEALER

SHORT FILLER

- Thin coating type (1.4~3mm) / SF#11·21·31
- Thick coating type (Over 3mm) / SF#13·33

The surface remaining adhesive removed off Plastic Tile / Vinyl Sheet

※For thin coating, apply finish coat to a partially dry base coat. For thick coating, apply once or twice.

[Solvent-proof system]

HANEDA PRIMER

Short Filler System Support — High adhesive for various setting beds

PRIMER FOR SHORT FILLER SYSTEM

HANEDA BOND EPO

Two-Component Water Based Epoxy Primer

Adhesive Increase Support for setting bed materials

Standard Coverage

PACKING STYLE	MIXING PROPORTION			Coverage m ² /set
	POWDER	ADMIXTURE	WATER	
12kg/set	1	0.2	0.5	10m ²
3.6kg/set	3	0.6	1.5	30m ²
18kg/set	15	3	7.5	150m ²



ACRYLIC WATERPROOFING SEALER

HANEDA SEALER

Water based acrylic sealer

Adjustment for absorbent and adhesion of various setting beds

Standard Coverage

PACKING STYLE	Coverage m ² /set
4kg/can	20~26m ²
18kg/can	90~120m ²

※Application quantity depends on setting beds absorbency



※Use in undiluted solution

SEALER AND SURFACE REINFORCEMENT FOR FORM BOARD PLYWOOD

HYPOLIC SEALER

Water based cation sealer

Standard Coverage

PACKING STYLE	Application Quantity (g) (two-coat work)	Coverage m ² /set
1kg/can 4kg/can	Mortar・Concrete: 150g/m ²	6.6m ² (1kg/can) 26m ² (4kg/can)
	Concrete Panel・Plywood: 100g/m ²	10m ² (1kg/can) 40m ² (4kg/can)
	Absorbable Setting Beds: 150g/m ²	6.6m ² (1kg/can) 26m ² (4kg/can)



※More than two-coat work is the standard. Apply finish coat to a partially dry base coat. It will cause lay if dryness is inefficient.

SHORT FILLER

Construction Method

1 Setting bed conditioning without removing off the floor tiling



1 The preparation and cleaning for the existing floor

Remove the float portion of the existing floor tiling. Surface dirt and wax should be cleaned by sandpaper #320 and detergent, and the setting beds should be rubbed off. Remove off oil and dirt completely, and the detergent should be washed off by clean water.

※It will cause the peeling off if the cleaning is inefficient.

2 Processing of the cleaning surface



Wipe off and dry after washing in cold water with a rag.

3 Apply Short Filler #21 (The 1st time)



Apply Short Filler twice. Apply the amount as much as the setting bed should not be appeared. (About 0.5thickness)

4 Apply Short Filler #21 (The 2nd time)



Apply Short Filler for the 2nd time smoothly after check dryness as much as the way lets constructor walk on with clean shoes (After about 30-60 min at a set temperature).

5 Smooth Control



Smoothly toweling by steel trowel after About 10-20 min at a set temperature.

※Spray some water and press by steel trowel make toweling easier.

SHORT FILLER Construction Method

2 Setting bed conditioning removed off Plastic Tile

1 Remove the existing sheet off



Remove off the existing sheet and check the condition of the setting bed surface

2 Cleaning of setting beds



Sprinkle HANEDA Sealer undiluted solution sufficiently, clean it off with a deck brush, scrape it off with a squeegee, and dry.

3 Sprinkle HANEDA Sealer · Scrape it off · Dry



Vacuum dust after removing off the floated and deteriorated portion

4 Apply Short Filler #21 (two-coat work)



Apply Short Filler equally for the 1st time with the amount as much as the setting bed should not be appeared. Apply for the 2nd time after the 1st time completely dried (After about 30-60 min at a set temperature) which is as much as the way lets constructor walk on with clean shoes.

5 Smooth Control



Smoothly toweling by steel trowel after About 10-20 min at a set temperature.

※Spray some water and press by steel trowel make toweling easier.