

RF-288

RHINOZ

HYBRID FX-42

*Smart choice for strong and speedy
fiber cement board joint*



- ✓ **Zero maintenance**
- ✓ **Longer durability**
- ✓ **Crack proof**
- ✓ **Less working steps**
- ✓ **High flexibility**
- ✓ **Water resistance**



RECOMMEND!
For

**FIBER
CEMENT
BOARD**

RHINOZ HYBRID FX-42

The high-performance innovative jointing compound
combination of strength, flexibility, adhesion, and durability.



RF-288 RHINOZ HYBRID FX-42

Smart choice for strong and speedy fiber cement board joint

It is a high-strength joint sealing compound for walls that is based on epoxy modified polyurethane. It seals joints, movement joints, expansion joints, and repairs cracks. The compound is flexible, resistant to impacts and vibrations, and has excellent adhesion to most surfaces, particularly fiber cement board. It does not shrink or sag, and it is easy to apply and clean up with water.



	CONVENTIONAL JOINTING COMPOUND	RHINOZ HYBRID FX-42
APPLICATION SUBSTRATE	not suitable for all surfaces, such as metal or concrete	Suitable for most surfaces including metal or concrete
TIME CONSUMING	time-consuming, applied in multiple layers and steps	speedy, applied single layer and less steps
STRENGTH	Susceptible to damage, scratches or dents in high-traffic areas	Excellent adhesion strength with strong impact resistance
MAINTENANCE	Non water resistance, difficult to repair once damaged	Good water resistance with low maintenance
FLEXIBILITY	Limited flexibility, easily crack under vibration or movement	Good flexibility with elongation, prevent cracks under movement
DURABILITY	it shrinks and cracks, especially if it is applied too thickly	Non-shrink, crack proof and zero defect
SKILL REQUIREMENT	High	Moderate
COST	High	Moderate

The best innovation of jointing compound
which combine the excellent property of epoxy and polyurethane.



HIGH FLEXIBILITY

High flexibility allows it to cover up cracks and prevent further cracking problems in the future. It is suitable for high-rise buildings and structures with high levels of movement.

• Tested Elongation at Break according to ASTM D2370



NO SHRINKAGE

Once cured, this solution does not shrink or release solvents, preventing issues such as unevenness and discoloration on the surface.

• Test % Shrinkage according to ISO13007-4



NO WATER ABSORPTION, WORKABLE IN MOIST CONDITION

Self-curing properties make application easy. Effectively prevents water leakage and highly resistant to humidity, providing reliable, long-lasting protection.



FREE FROM MOLD AND BACTERIA

This solution has mold and bacteria-resistant chemicals, resulting in long-lasting property and quality, and making it user-friendly.

• Tested Antibacterial activity according to ISO 22196



SAVE TIME, SAVE COST

Easy to apply, fast curing time, and less working process than the traditional jointing.

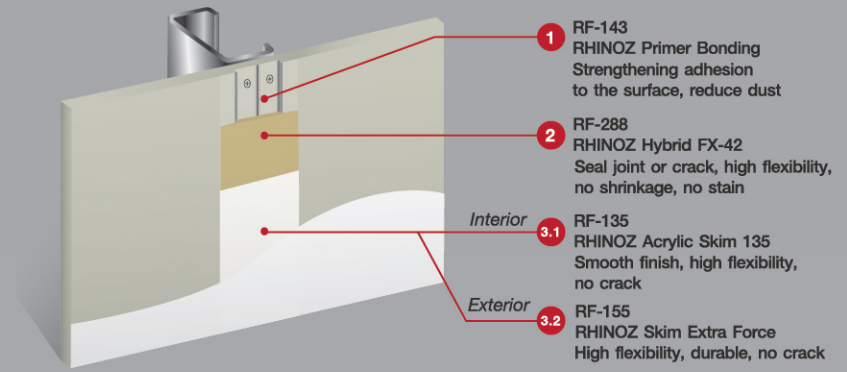


SANDABLE, CAN BE PAINTED OVER

This solution can be easily sanded after curing and is suitable for being painted over with no stain or discoloration problems.

RHINOZ

JOINTING SOLUTION for FIBER CEMENT BOARD



TECHNICAL DATA

Base	: (A) Epoxy modified	(B) Hardener
Appearance	: (A) White viscous	(B) Yellow viscous
Mixing ratio	: Part-A/B = 2/1	part by weight
Pot life	: 30 minutes	
Setting time	: 24-48 hours	(Depending on ambient conditions and thickness)
Cure time	: 7 days	(Depending on ambient conditions and thickness)
Hardness Shore A (7 days)	: 94-98	(ASTM D2240)
Tensile strength (7 days)	: 4-6 N/mm ²	(ASTM D638)
Elongation at break (7 days)	: 20-40%	(ASTM D638)
Compressive strength (7 days)	: 28-32 N/mm ²	(ASTM C109)
Pull-off adhesion (7 days)	: > 4 N/mm ²	(ASTM D4541)
Packaging	: 4.5 kg/set	
Coverage	: 24 m/4.5 kg/set	(Dimension 1x1 cm)

Storage: Store in a dry and shaded place with shelf life 1 year in the original unopened packing.



APPLICATION

1. Surface Preparation



Clean the surface to be free from dust, grease and other contaminants. In case the gap is deep and wide, can install backing rod first.



Apply RHINOZ Primer Bonding along jointing for about 3 cm width on both sides of jointing. Leave it to dry 10-15 minutes, or until the primer bonding become clear color.

2. Mixing RHINOZ Hybrid FX-42

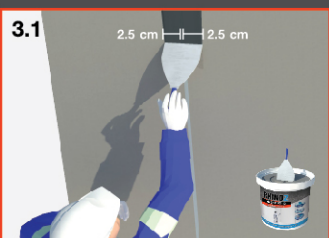


Use trowel to scrape Part B into Part A. Mix at the ratio of A/B = 2/1 by weight.



Mix thoroughly using spinning mixer at low speed of 300-500 rpm until become homogeneous.

3. Application of RHINOZ Hybrid FX-42



Apply RHINOZ Hybrid FX-42 along the joint to fill the gap at thickness of 3-5 mm, and cover 2.5 cm width on both sides.



To make surface smoother, can apply second layer of RHINOZ Hybrid FX-42 after 2-3 hours.

4. Sanding



Leave it to dry completely for 24 hours. Sand the surface with sanding paper to achieve smooth finish.



After sanding, the wall is ready to be skimmed or painted over.

JOINTING SOLUTION for FIBER CEMENT BOARD



RF-143
RHINOZ Primer Bonding

A multipurpose acrylic latex bonding agent increases surface bond strength and flexural/tensile strength while reducing topping peeling, chalking, and shrinkage. It's easy to apply, dries fast with low odor, and is suitable for concrete, mortar, plaster, and both new/existing surfaces.

Packing : 1 litre and 4 litre
Coverage : 10-15 sqm/litre (Depending on surface)



RF-288
RHINOZ Hybrid FX-42

A two-component, epoxy-modified polyurethane joint sealing compound seals joints and repairs cracks with excellent adhesion to most surfaces. It's high strength, flexible, non-sag on vertical surfaces, non-shrinking, and vibration/impact resistant. Easy to mix and apply with a trowel or spatula, it's also easy to clean with water.

Packing : 4.5 kg
Coverage : 20-24 m/4.5 kg set (Dimension 1x1 cm)



RF-135
RHINOZ Acrylic Skim 135

A ready-to-use rendering paste repairs surface defects in concrete or render, creating a smooth finish by eliminating blemishes. Suitable for fiber cement, fiber concrete, and gypsum concrete on walls and ceilings, it offers good adhesion and weathering resistance, flexibility without cracks or chalk, and can be sanded and painted.

Packing : 5 kg and 25 kg
Coverage : 1.5 kg/sqm/mm



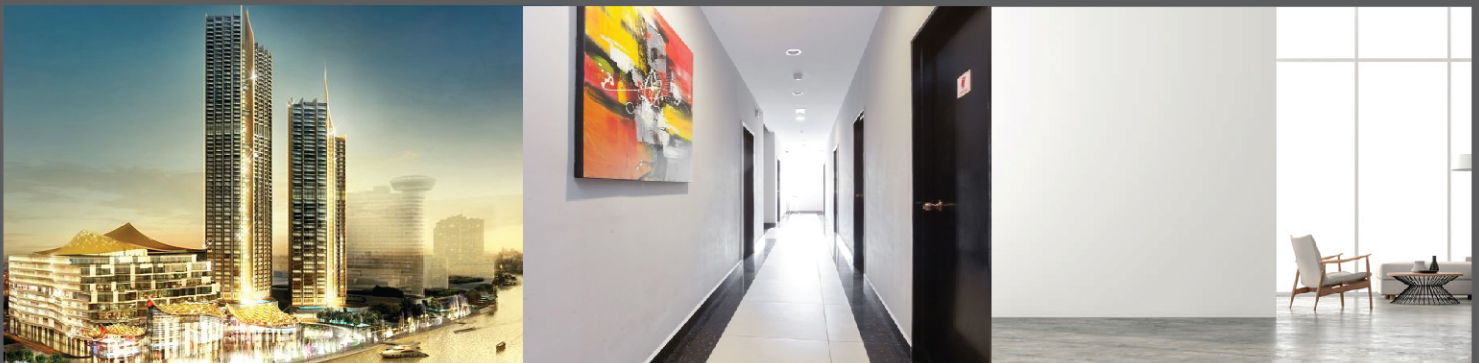
RF-155
RHINOZ Skim Extra Force

A powder mixture of special cement, fiber, and additives repairs surface defects like grooves, seams, fine cracks, and rock pockets on concrete surfaces and joints of fiber cement. It's fast-drying, weather-resistant, and offers good adhesion and flexibility, making it easy to apply for durable repairs. It bonds well with cementitious substrates, creating a durable, hard-wearing surface.

Packing : 20 kg
Coverage : 1.3 kg/sqm/mm

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