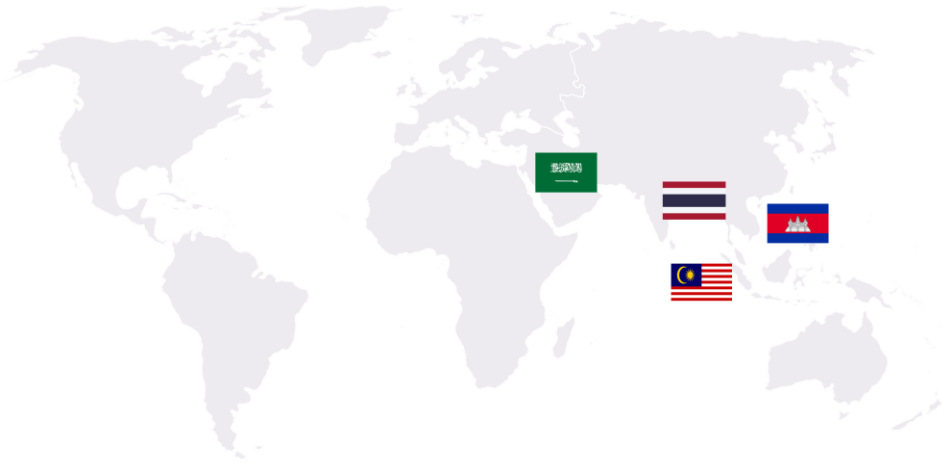
RHINOZ
ARCHITECTURAL COATING SYSTEM

WALL JOINTING AND CRACK SOLUTION

RHINOZ WALL JOINTING SYSTEM

CRACK REPAIRING SOLUTION



INTRODUCTION

For more than 40 years of joint research and development with our strategic partners in Europe and USA , RHINOZ have invented and developed various materials and innovations that help providing unique engineering and architectural solutions with high health and safety standards for human and environment.

RHINOZ is now available in SEA and Middle East countries and supplied by Head Quarter Factory and Office located in Samutsakhon, Thailand.

RHINOZ wall jointing and crack solution are specially designed to best suit their different end purpose as well as also taking into consideration the varying degree of skill ranging from the professional applicator to the DIY end-user.

MODERN WALL SYSTEM

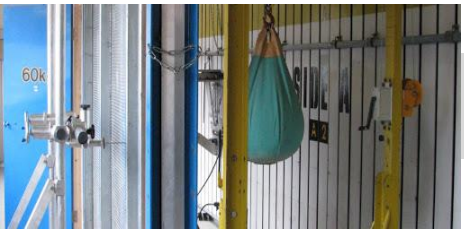
- RHINOZ wall jointing and crack solution is ideal for sealing large gap joints, movement joints, expansion joints and repairing cracks of modern wall system.

- It is highly recommendable for modern wall system such as fiber cement board, MGO board, gypsum board, wood cement board, sandwich panel, light weight concrete panel and precast panel.

ADVANTAGES OF RHINOZ

Highly efficient and easy to apply

Excellent adhesion and mechanical strength



Good vibration and impact resistant

Can be sanded and painted over

Non-sag on vertical surfaces

High flexibility and no shrinkage

High durable and good weather resistant

INTERIOR WALL JOINTING SOLUTION

- ## Interior Solution #1

Condition: recessed board, board to board

RF-143 Primer Bonding

RF-103 Cement Plaster Base (First layer)

AB-001 Fiberglass Mesh Tape

RF-103 Cement Plaster Base (Second & Third layer)

RF-102 Acrylic Skim

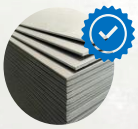

MGO Board


Fiber Cement Board


Gypsum Board


Calcium Silicate Board


Plywood/ OSB


Wood Cement Board

.01

RF-143 Primer Bonding

1st coat of Primer Bonding on the joint to enhance the adhesive and performance in between of substrate.

.02

RF-103 Cement Plaster Base

Apply 1st layer of the Cement Plaster Base on top of Primer Bonding after dried for 15-20 minutes.

.03

AB-001 Fiber Glass Mesh Tape

Follow by applying the Fiber Glass Mesh Tape along the joint on top of the Cement Plaster Base+.

.04

RF-103 Cement Plaster Base

Apply 2nd and 3rd layer of the Cement Plaster Base after each recoating time of 1 – 2 hours.

.05

RF-102 Acrylic Skim

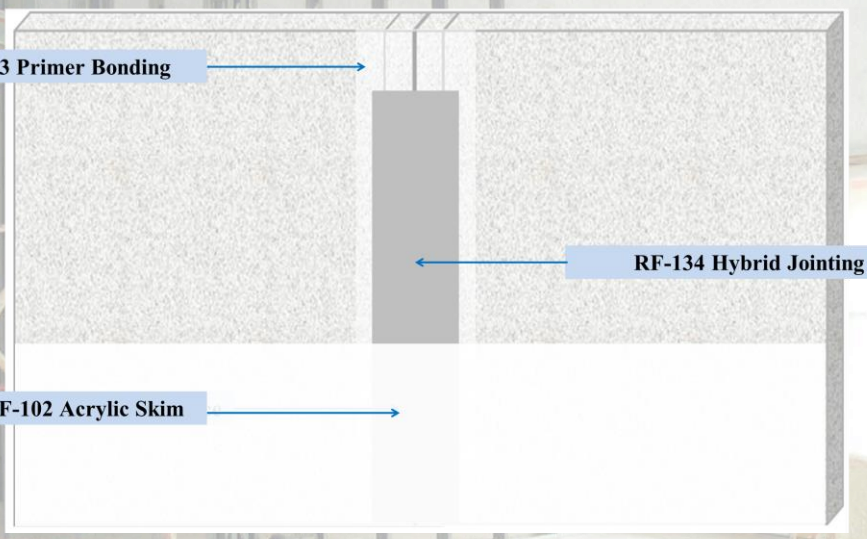
Complete the wall jointing solution with Acrylic Skim as the final coat. It will be ready to paint after fully dried.

INTERIOR WALL JOINTING SOLUTION

• Interior Solution #2

Condition: big gap, between different substrate

RF-143 Primer Bonding



RF-134 Hybrid Jointing Compound

RF-102 Acrylic Skim

MGO Board | Fiber Cement Board | Gypsum Board | Calcium Silicate Board | Plywood/ OSB | Wood Cement Board | EPS Sandwich Panel | Light Weight Block | Precast Concrete Panel

.01

RF-143 Primer Bonding

1st coat of Primer Bonding on the joint to enhance the adhesive and performance in between of substrate.

.02

RF-134 Hybrid Jointing Compound

Apply one layer of the Hybrid Jointing Compound on top of Primer Bonding after dried for 15-20 minutes.

.03

Sanding

After 24 hours of curing, you can start to sand the surface by using sanding machine or sanding paper.

.04

RF-102 Acrylic Skim

Complete the wall jointing solution with Acrylic Skim as the final coat. It will be ready to paint after fully dried.

EXTERIOR WALL JOINTING SOLUTION

- ## Exterior Solution #1

Condition: recessed board, board to board

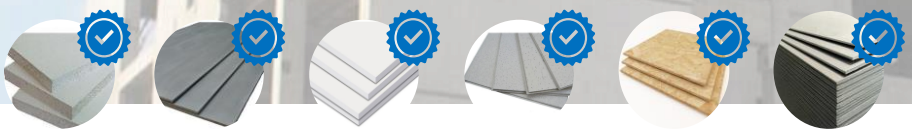
RF-143 Primer Bonding

RF-103 Cement Plaster Base (First layer)

AB-001 Fiberglass Mesh Tape

RF-103 Cement Plaster Base (Second & Third layer)

RF-155 Skim Extra Force



MGO Board | Fiber Cement Board | Gypsum Board | Calcium Silicate Board | Plywood/ OSB | Wood Cement Board

.01

RF-143 Primer Bonding

1st coat of Primer Bonding on the joint to enhance the adhesive and performance in between of substrate.

.02

RF-103 Cement Plaster Base

Apply 1st layer of the Cement Plaster Base on top of Primer Bonding after dried for 15-20 minutes.

.03

AB-001 Fiber Glass Mesh Tape

Follow by applying the Fiber Glass Mesh Tape along the joint on top of the Cement Plaster Base+.

.04

RF-103 Cement Plaster Base

Apply 2nd and 3rd layer of the Cement Plaster Base after each recoating time of 1 – 2 hours.

.05

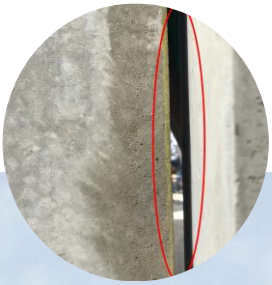
RF-155 Skim Extra Force

Complete the wall jointing solution with Skim Extra Force as the final coat. It will be ready to paint after fully dried.

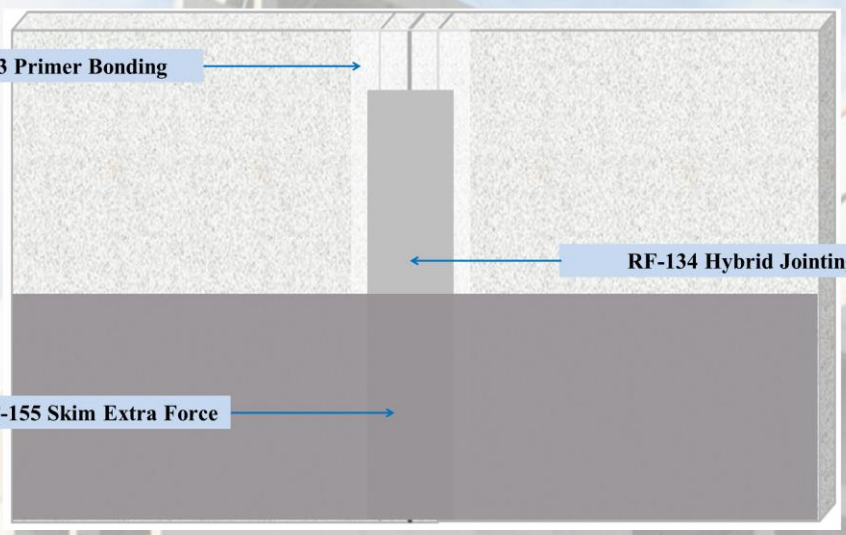
EXTERIOR WALL JOINTING SOLUTION

• Exterior Solution #2

Condition: big gap, between different substrate



RF-143 Primer Bonding



RF-134 Hybrid Jointing Compound

RF-155 Skim Extra Force

MGO Board | Fiber Cement Board | Gypsum Board | Calcium Silicate Board | Plywood/ OSB | Wood Cement Board | EPS Sandwich Panel | Light Weight Block | Precast Concrete Panel

.01

RF-143 Primer Bonding

1st coat of Primer Bonding on the joint to enhance the adhesive and performance in between of substrate.

.02

RF-134 Hybrid Jointing Compound

Apply one layer of the Hybrid Jointing Compound on top of Primer Bonding after dried for 15-20 minutes.

.03

Sanding

After 24 hours of curing, you can start to sand the surface by using sanding machine or sanding paper.

.04

RF-155 Skim Extra Force

Complete the wall jointing solution with Skim Extra Force as the final coat. It will be ready to paint after fully dried.

SKIMMING

FEATURES

- Easy to apply by trowel
- High bonding strength
- Perfectly smooth finish
- High flexible
- Good weather resistance
- No crack and low smell
- Multi-layer coated without cracking
- Safe and environmentally friendly

RHINOZ ACRYLIC SKIM

It is a skim smoothing rendering paste and ready to use formula for repairing surface defects in concrete or render. A smooth surface is obtained by eliminating blemishes such as grooves, seams, fine cracks and rock pockets.

RF-102

APPLICATION

1. Surface must be clean, free of dust, oil, grease and other contaminates
2. Spray small amount of water on surface or use damp cloth wipe off surface before apply RHINOZ Acrylic Skim
3. Apply by stainless or steel trowel, apply one or several coats, can be recoated after 1-2 hours
4. It can be sanded after 16-24 hours and painting can be done after 24 hours
5. Clean tools and equipment with detergent and water

PACKING SIZE

5 kg. 25 kg.

STORAGE

Store in a dry place with shelf life 1 year in the original unopened packing

TECHNICAL DATA

Base	:	Acrylic polymer	
Appearance	:	Viscous paste	
Colour	:	See colour chart	
pH	:	8.0 - 10.0	
Density	:	1.5 - 1.6 g/cm^3	
Surface dry	:	15 - 20 minutes	(Depending on ambient conditions and thickness)
Recoating dry	:	1 - 2 hours	(Depending on ambient conditions and thickness)
Sand able	:	16 - 24 hours	(Depending on ambient conditions and thickness)
Cure time	:	7 days	(Depending on ambient conditions and thickness)
Bond strength	:	>1.5 N/mm^2	(ASTM D4541)
Coverage	:	1.5 kg./m^2/1 mm.	

JOINTING

FEATURES

- High adhesion strength
- High flexibility
- Good waterproofing
- Good weather resistance
- Long bucket life
- Easy to work
- Fast dry and low smell
- Can be sanded and painted

SCAN for Application Process VDO. Clip

RHINOZ CEMENT PLASTER BASE

It is high performance cementitious render for surface repairing such as crack, split or pierce on concrete surface and repair joints of fiber cement or fiber concrete. It is 2 components which Part-A is a powder based on special cement, Part-B is a liquid based on acrylic polymer, fiber and special additives.

RF-103

APPLICATION

1. Mix **RHINOZ Cement Plaster Base** on ratio Part-A/B = 3/1 part by weight
2. Stir to be homogeneous and stand for 5 minutes to delete air bubbles before use
3. Apply **RHINOZ Cement Plaster Base** onto joints area, put fiberglass mesh tape and press it onto **RHINOZ Cement Plaster Base**
4. Allow it to dry for 1 hour before apply **RHINOZ Cement Plaster Top** at least 2 coats
5. For the second coat of **RHINOZ Cement Plaster Top** can be done after the first coat dried 1 hour
6. Allow it to dry for 10-16 hours before sanding and it can be painted after 24 hours

PACKING SIZE

4 kg./set 20 kg./set

STORAGE

Store in a dry place with shelf life 1 year in the original unopened packing

TECHNICAL DATA

Base	:	(A) Special cement	(B) Acrylic polymer
Appearance	:	(A) Grey powder	(B) White viscous
Mixing ratio	:	Part-A/B = 3/1 part by weight	
Bucket life	:	6 hours	
Surface dry	:	15 - 20 minutes	(Depending on ambient conditions and thickness)
Recoating dry	:	1 - 2 hours	(Depending on ambient conditions and thickness)
Sand able	:	10 - 16 hours	(Depending on ambient conditions and thickness)
Paint able	:	24 hours	(Depending on ambient conditions and thickness)
Bond strength	:	1.0 N/mm^2	(ASTM D4541)
Coverage	:	1.5 kg./ m^2/1 mm.	

JOINTING

RHINOZ HYBRID JOINTING COMPOUND

SCAN for Application Process VDO. Clip

It is a two component, joint sealing compound based on epoxy modified polyurethane. It is high strength, flexible, vibration and impact resistant. It is non sag on vertical surfaces and non shrinking due to their high solids content. It is easy to mix and can be applied by using either a trowel or spatula.

RF-134

FEATURES

- Excellent adhesion to most surfaces
- Good mechanical strength and flexibility
- Non sag on vertical surfaces
- Durable and weather resistant
- Vibration and impact resistant
- Sandable and smooth
- Non shrinkage
- Non water absorption

APPLICATION

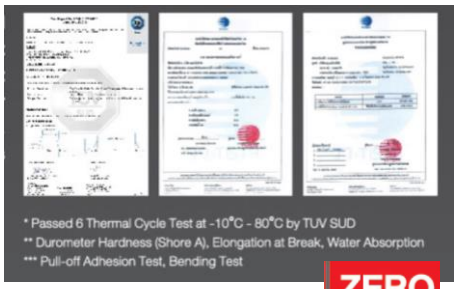
1. Mix Part-A/B = 3/1 part by weight, mix thoroughly using either hand tools or low speed mixer 300-500 rpm.
2. Mixed until to be homogeneous and the mixed epoxy should be used within 60 minutes
3. For applications where joints are very deep, recommend to use backing rod prior to fill the jointing compound.
4. Apply RHINOZ Hybrid Jointing Compound by trowel or spatula into the joints or the desired area
5. Allow a minimum of 24-48 hours setting time, before painting or applying a covering material
6. Clean tools and equipment with warm water or thinner before the products dries

PACKING SIZE

1 kg./set 4 kg./set

STORAGE

Store in a dry place with shelf life 1 year in the original unopened packing



TECHNICAL DATA

Base	:	(A) Epoxy modified	(B) Hardener
Appearance	:	(A) White viscous	(B) Black viscous
Mixing ratio	:	Part-A/B = 3/1 part by weight	
Pot life	:	60 minutes	
Setting time	:	24 - 48 hours	(Depending on ambient conditions and thickness)
Cure time	:	7 days	(Depending on ambient conditions and thickness)
Coverage	:	6 m./1 kg/set	(Dimension 1x1 cm.)

CRACK SOLUTION #1

The RF-102 RHINOZ Acrylic Skim is a skim smoothing rendering paste and ready to use formula for repairing surface defects in concrete or render.

It is a skim smoothing rendering paste and ready to use formula for repairing surface defects in concrete or render. A smooth surface is obtained by eliminating blemishes such as grooves, seams, fine cracks and rock pockets. It has excellent adhesion to repair most surfaces such as Fiber Cement, Fiber Concrete and Gypsum Concrete.

STEP #1

STEP #2

STEP #3

STEP #4

CRACK SOLUTION #2

The ultimate solution to repair and prevent cracks. RF-134 RHINOZ Hybrid Jointing Compound is the first and only jointing compound in the market that modify two components A+B with (A) Epoxy Modified (B) Polyurethane .

It has high strength, flexible, vibration, impact and water resistant. It is solvent free and will non-sag on vertical surfaces and non- shrinking due to their high-solids content.

It has excellent adhesion to repair most surfaces such as

- Concrete,
- Masonry
- Precast
- Fiber concrete
- Wood
- Other construction materials

SCAN for Application Process VDO. Clip

Cracks along jointing of precast panel from structure movement.

STEP #1

Apply RHINOZ Hybrid Jointing Compound, special formula of modefied polyurethane and epoxy.

STEP #3

Remove the old jointing material and apply RHINOZ primer bonding.

STEP #2

After dried, it can be sanded and painted over.

STEP #4

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