

RHINOZ

BMS

REWO

Transforming Waste,
Revolutionizing Construction



SUSTAINABLE
PRODUCT



RHINOZ REWO

Upcycling Nature into Sustainable Materials

Circular Innovation for a Low-Carbon World

STORY of REWO Collaboration

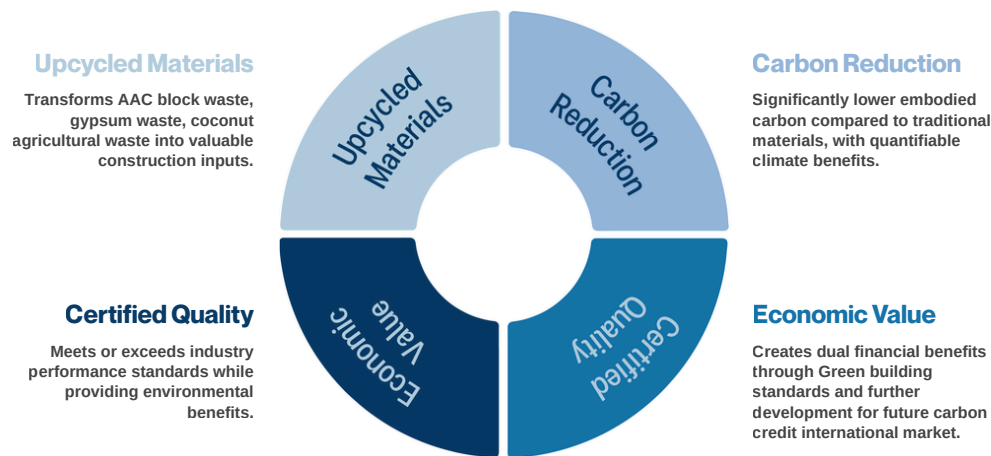
RHINOZ REWO— an innovation initiative by BMS 2020 Thailand dedicated to transforming waste into next-generation, low-carbon building materials.

Our vision is to decarbonize the construction industry by developing sustainable composites that not only minimize environmental impact but also create measurable carbon sequestration through material science and circular design.

By replacing conventional aggregates and fillers with recyclable waste materials, RHINOZ REWO enables architects, builders, and manufacturers to design with purpose — reducing the embodied carbon footprint of every project while supporting a more regenerative construction ecosystem.

OUR SUSTAINABLE IMPACT

- **Reduce Waste to Landfill** — transforming agricultural by-products into high-value materials
- **Lower Carbon Footprint** — developing biochar-based composites with negative CO₂ potential
- **Enable Carbon Offset Credit** — achieving measurable carbon sequestration per ton produced
- **Empower Local Farmers** — creating new income streams from agricultural waste
- **Build a Greener Construction Future** — advancing Thailand's BCG (Bio-Circular-Green) economy model



Collaborating for a Carbon-Negative Future

To advance this vision, REWO-MAT has partnered with Aromatic Farm, Thailand's first GI-certified aromatic coconut producer and a recognized model of the Bio-Circular-Green (BCG) Economy. The farm exemplifies zero-waste agriculture, converting every part of the coconut into valuable outputs.

Through this collaboration, coconut husks, shells, and residues are transformed into biochar, a carbon-rich material produced via pyrolysis — a controlled process that captures carbon instead of releasing it. Each ton of biochar effectively locks up to 3 tons of CO₂, making it a carbon-negative resource and a practical solution for climate-positive material production.

From Farm Waste to Building Innovation

Once produced, the biochar is refined by BMS 2020 Thailand into construction-grade eco-composites under the REWO-MAT series — such as biochar paving blocks, 3D printing composites, plasters, and panels.

These materials not only reduce cement consumption and lower embodied energy, but also reintegrate agricultural carbon into long-lasting structures, extending its lifecycle within the built environment.

By bridging agriculture and construction, the REWO-MAT x Aromatic Farm collaboration transforms farm waste into functional carbon sinks, turning Thailand's sustainable agriculture leadership into a foundation for climate-resilient architecture.

Together, we are redefining how materials are made — closing the loop between nature, innovation, and construction, one block, one wall, and one building at a time.



Recognition of best practices and innovative approaches in sustainable plant production and protection



APEC Bio-Circular-Green Award



Our Impacts for Our Staff / Farmer Network



Our Impacts for Environment Land, Water, Air



Our Impacts for Economic Growth with Responsible of Consumption and Production



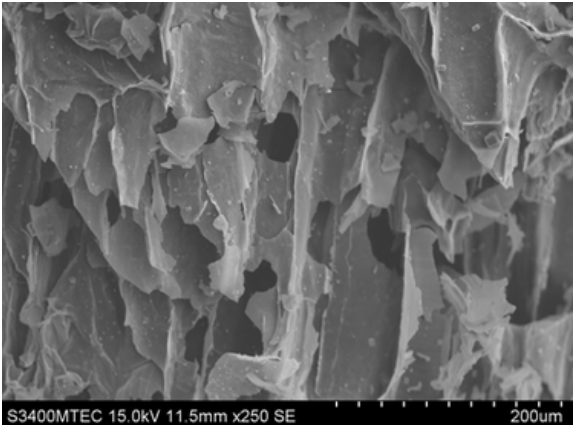


Collaborating for a Carbon-Negative Future



To advance this vision, REWO-MAT has partnered with Aromatic Farm, Thailand's first GI-certified aromatic coconut producer and a recognized model of the Bio-Circular-Green (BCG) Economy. The farm exemplifies zero-waste agriculture, converting every part of the coconut into valuable outputs.

Through this collaboration, coconut husks, shells, and residues are transformed into biochar, a carbon-rich material produced via pyrolysis — a controlled process that captures carbon instead of releasing it. Each ton of biochar effectively locks up to 3 tons of CO₂, making it a carbon-negative resource and a practical solution for climate-positive material production.



From Farm Waste to Building Innovation

Once produced, the biochar is refined by BMS 2020 Thailand into construction-grade eco-composites under the REWO-MAT series — such as biochar paving blocks, 3D printing composites, plasters, and panels.

These materials not only reduce cement consumption and lower embodied energy, but also reintegrate agricultural carbon into long-lasting structures, extending its lifecycle within the built environment.

By bridging agriculture and construction, the REWO-MAT x Aromatic Farm collaboration transforms farm waste into functional carbon sinks, turning Thailand's sustainable agriculture leadership into a foundation for climate-resilient architecture.

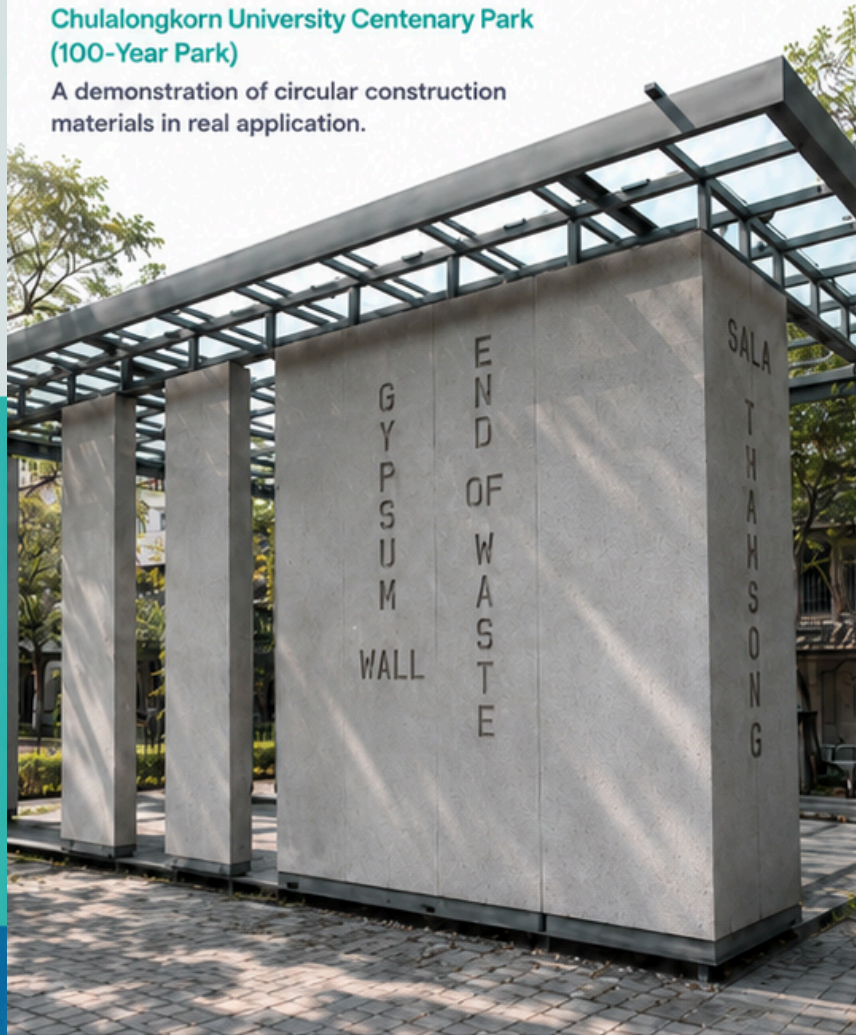
Together, we are redefining how materials are made — closing the loop between nature, innovation, and construction, one block, one wall, and one building at a time.



Gypsum End-of-Waste Pavilion

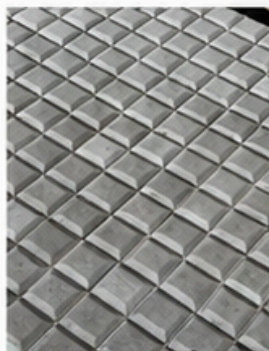
Chulalongkorn University Centenary Park
(100-Year Park)

A demonstration of circular construction materials in real application.



CemTex Texture

Biochar + Coconut Fiber Finish



Carbon Storage Paving Block

Paving that helps store Carbon



Detail of Decorative Finish

High performance & Durable

CARBON SUMMARY: WHAT WE PROVIDE



Total Project Carbon Footprint

Overall embodied carbon of the project



Product-level Carbon Footprint

Carbon data for supplied materials



Material vs Production Breakdown

Clear analysis of emission sources



Carbon Factors per Product

Emission factor calculated per functional unit



Carbon Data Summary

Clear carbon data overview for reporting and communication



QR Code Data Access

Easy traceability and data reference



PROJECT OVERVIEW

REWO collaborated in the development of decorative exterior finishes and carbon-reducing hardscape solutions for the Gypsum End-of-Waste Pavilion at Chulalongkorn University Centenary Park (100-Year Park).

The project demonstrates how construction and agricultural waste can be transformed into functional architectural materials while supporting circular economy principles.

TOTAL PROJECT CARBON FOOTPRINT



8,025.08 kgCO₂e

SALA THAMSONG

28 m² Demonstration Pavilion
(Whole Project)

BMS MATERIAL CONTRIBUTION



348.84 kgCO₂e

Carbon footprint of BMS / REWO materials supplied for this project

BMS MATERIALS INCLUDED

- REWO Cement Skim Coat
- REWO Basetone WP
- REWO CemTex
- REWO Paving Block
- REWO Hybrid FX-55
- REWO Primer Latex
- REWO Seal Guard

MATERIAL vs PRODUCTION (WHOLE PROJECT)



Material
7,402.68 kgCO₂e (92.24%)

Production
622.40 kgCO₂e (7.76%)

CARBON INVOICE (PROJECT SUMMARY)

BMS 2020 (Thailand) Co., Ltd.

Address 48/362 Moo 1, Khok Krabue, Mueang Samut Sakhon, Samut Sakhon 74000, Thailand
Tax ID 0745563004825



More Info

Carbon Invoice

Recipient
Center of Excellence on Hazardous Substance Management (HSM)

Email
jansajee.t@chula.ac.th

Carbon Invoice No.
CCINV26080701KZD85EHMFRFR

Address
8th Floor of the CU Research Building, 254 Phayathai Road, Wang Mai, Pathumwan, Bangkok, 10330
Tax ID 0994000159072

Financial Invoice No.

#	Product (s)	Quantity	Unit	kgCO ₂ e / Unit	Total kgCO ₂ e
1	RWA - 105 RHINOZ REWO Cement Skim Coat	4	Sack	4,3463	17,3852
2	RWD - 109 RHINOZ REWO Basetone WP	1	Bucket	27,9465	27,9465
3	RWD - 201 RHINOZ REWO Cemtex	12	Sack	5,2660	63,1917
4	RWL - 301 RHINOZ REWO Paving Block	73	Sack	2,5523	186,3189
5	RF - 239 RHINOZ Hybrid FX-55	4	Gallon	9,5265	38,1061
6	RF - 343 RHINOZ Primer Latex	2	Gallon	6,5294	13,0588
7	RF - 368 RHINOZ Seal Guard	2	Gallon	1,4169	2,8338
Total Carbon Footprint of Products					348.8410
Financial Invoice Bill (THB)					0

Conforming with Thailand Greenhouse Gas Management Organization (Public Organization) 2020 the national guideline on product carbon footprinting



PROJECT SHOWCASE

The Sustainable Pavement Block

REWO x Aromatic Farm Collaborative Project



PROJECT OVERVIEW

In December 2025, RHINOZ REWO and Aromatic Farm collaborated to develop a sustainable pavement block that transforms coconut agricultural waste into high-performance construction materials. The innovative formulation incorporates 5% coconut fiber and coconut-derived biochar, creating a durable walkway solution while extending the value of agricultural by-products.

Installed at Aromatic Farm, the pavement serves as a living demonstration of circular construction, showcasing how agricultural waste can be transformed into functional infrastructure. By integrating biochar and natural coconut fiber into the paving system, the project contributes to carbon storage, waste valorization, and resource efficiency, supporting Thailand's Bio-Circular-Green (BCG) Economy Model.

More than just a walkway, this project demonstrates a practical pathway toward lower-carbon construction, proving that agricultural waste can become durable, high-value building materials for the built environment.



REWO Application

RHINOZ REWO Paving Block

Coconut Fiber + Biochar

The product upcycles industrial waste into a durable material that reduces carbon footprint, acts as a carbon sink, and supports circular economy-driven green projects.

Key Features

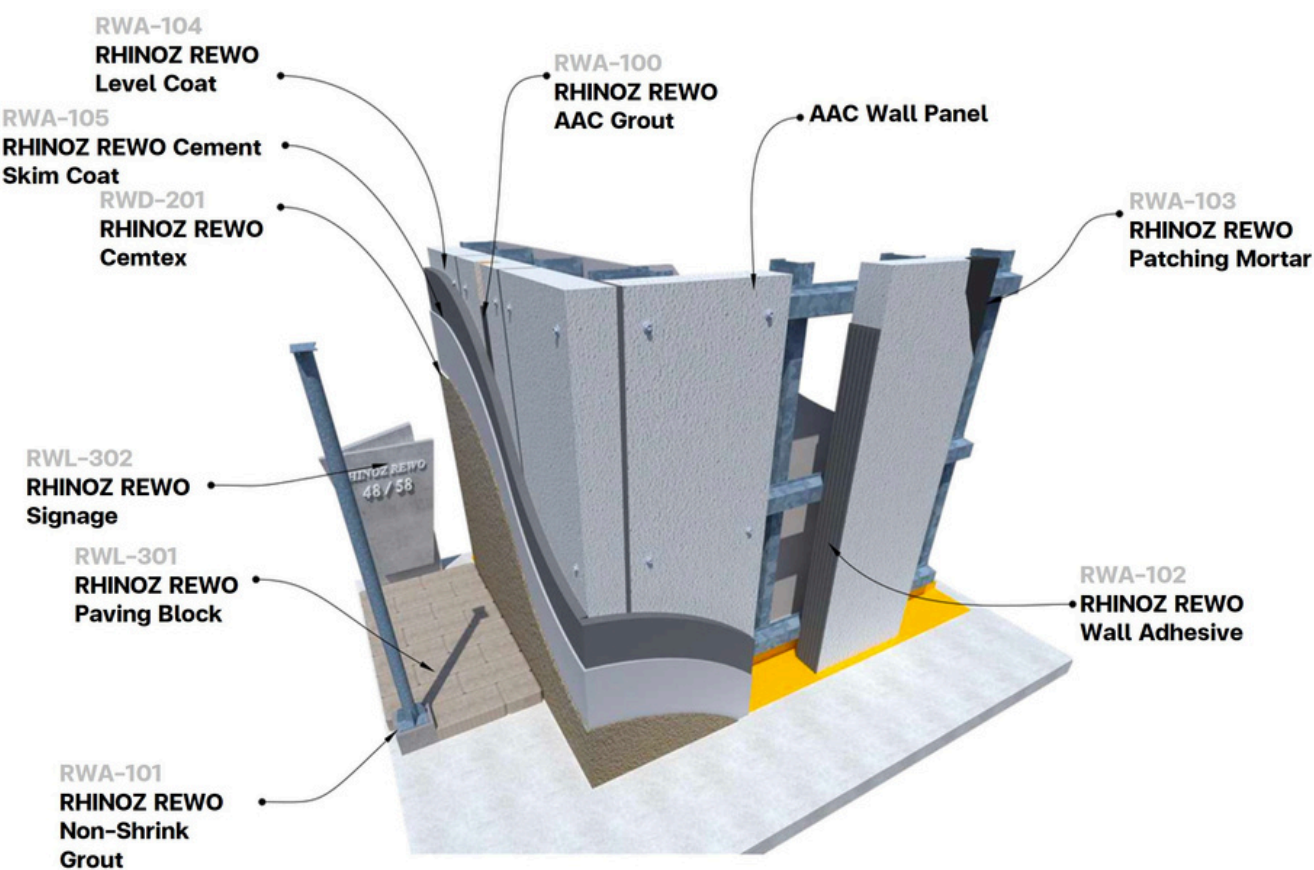
- Carbon Storage Technology
- Circular Material Innovation
- Made with recycled construction materials
- Durable pedestrian paving system
- Weather resistant
- Suitable for outdoor applications
- Lower embodied carbon
- Supports Green Building initiatives
- Compatible with sustainable landscape design



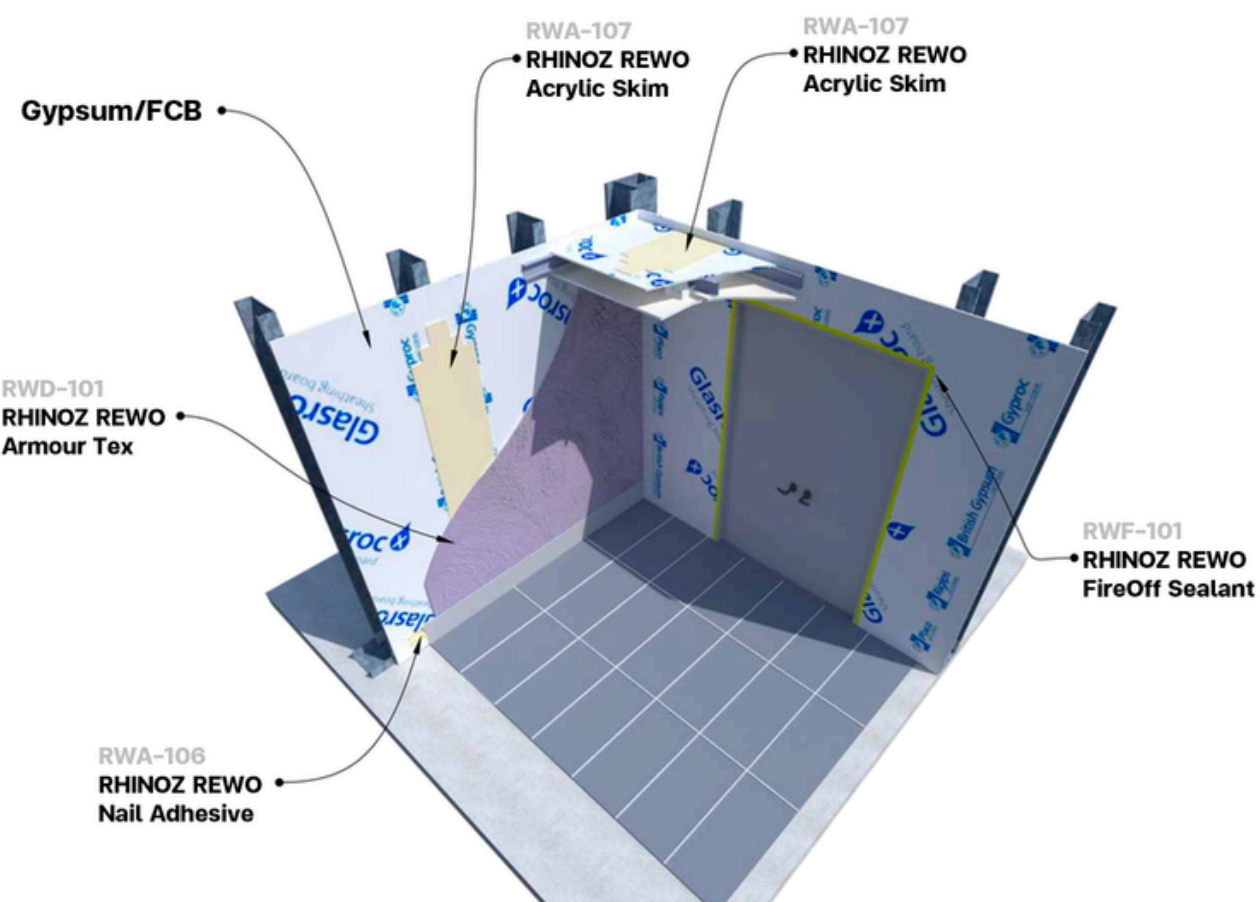
SUSTAINABLE
PRODUCT



AAC Wall Total Solution



LGS Wall Total Solution



RHINOZ REWO

Wall & Structure

**RHINOZ REWO
Patching Mortar**

A high-strength, polymer-modified repair mortar designed for surface patching, crack repair, and restoration of concrete and masonry. Engineered with 10% AAC (Autoclaved Aerated Concrete) waste, 2% biochar and 5% gypsum waste, this eco-friendly mortar delivers superior adhesion, low shrinkage, and excellent workability. It is ideal for filling voids, repairing damaged concrete surfaces, and leveling rough patches in both interior and exterior applications.

Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (10.34 KgCO₂/unit REWO patching mortar) IPCC2013 GWP 100a

**RHINOZ REWO
Level coat**

a cement-based, polymer-modified surface repair plaster designed for leveling, smoothing, and repairing surface defects in concrete, render, and masonry. Made with 10% AAC (Autoclaved Aerated Concrete) waste, 2% biochar and 5% gypsum waste, this eco-friendly plaster provides high adhesion, low shrinkage, and a smooth finish, making it ideal for both interior and exterior applications.

Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (11.32 KgCO₂/unit REWO level coat) IPCC2013 GWP 100a

**RHINOZ REWO
Cement Skim Coat**

A high-quality, polymer-modified cement-based finishing coat designed to smooth and refine wall surfaces before painting or decorative coating. Engineered with 10% AAC (Autoclaved Aerated Concrete) waste and 5% gypsum waste, this eco-friendly formulation provides excellent adhesion, crack resistance, and a uniform finish.

Packing size
20 Kg bag

Sustainability data:

Carbon footprint: (5.34 KgCO₂/unit REWO cement skim coat) IPCC2013 GWP 100a



RHINOZ REWO

Wall & Structure

**RHINOZ REWO
AAC Grout**

A cementitious grout designed for filling voids, cracks, and gaps in concrete, masonry, and other structural applications. The product designed with 10% recycled AAC (Autoclaved Aerated Concrete) waste, 2% biochar and 5% gypsum waste. This eco-friendly grout offers superior flowability, strength, and durability. Its low shrinkage and high adhesion properties make it ideal for restoration, repairs, and structural reinforcement.

Packing size
20 Kg bag

Sustainability data:
Carbon footprint: (16.26 KgCO₂/unit REWO AAC grout) IPCC2013 GWP 100a

**RHINOZ REWO
Non-Shrink Grout**

It is a premixed, cementitious grout engineered with 10% upcycled AAC (Autoclaved Aerated Concrete) waste, 2% biochar and 5% recycled gypsum, delivering both structural performance and sustainability. Designed to offer shrinkage compensation, superior compressive strength, and excellent flowability, this eco-conscious formulation is ideal for heavy-duty grouting work in both dry pack and pourable forms. It is perfect for precision grouting under baseplates, machine foundations, anchor bolts, precast panels, and more.

Packing size
20 Kg bag

Sustainability data:
Carbon footprint: (15.42 KgCO₂/unit REWO non-shrink grout) IPCC2013 GWP 100a

**RHINOZ REWO
Wall Adhesive**

A high-performance, cement-based adhesive designed for wall jointing and bonding of AAC blocks, bricks, and precast panels. Made with 10% AAC (Autoclaved Aerated Concrete) waste, 2% biochar and 5% gypsum waste, this eco-friendly formulation offers strong adhesion, flexibility, and durability, ensuring seamless bonding and structural integrity.

Packing size
20 Kg bag

Sustainability data:
Carbon footprint: (8.34 KgCO₂/unit REWO wall adhesive) IPCC2013 GWP 100a



RHINOZ REWO

Wall & Structure

**RHINOZ REWO
Nail Adhesive**

It is a high-performance, solvent-free construction adhesive made with 10% upcycled AAC waste. This eco-friendly formula delivers fast drying, strong bonding, high elasticity, and long-term durability across a wide range of surfaces. It resists weather, mold, and mildew, making it ideal for both interior and exterior use. Once cured, it supports over 150 kg/m², perfect for floor and wall installations on fiber cement board, rigid foam, wood, MDF, metal, ceramic tile, and concrete.

Packing size
300 ml cartridge

Sustainability data:

*Carbon footprint: (0.62 KgCO₂/ unit REWO nail adhesive) IPCC2013
GWP 100a*

**RHINOZ REWO
Acrylic Skim**

It is a skim smoothing rendering paste and ready to use formula for repairing surface defects in concrete or render. The product is made with 10% AAC waste. A smooth surface is obtained by eliminating blemishes such as grooves, seams, fine cracks and rock pockets. It is suitable for fiber cement, fiber concrete, gypsum concrete, especially for wall and ceiling with good adhesion and weathering resistance, perfectly smooth finish, high flexible, no crack, no chalk and can be sanded and paintable

Packing size
5 Kg bucket/ 25 Kg bucket

Sustainability data:

*Carbon footprint: (17.26 KgCO₂/ unit REWO acrylic
skim) IPCC2013 GWP 100a*

**RHINOZ REWO
Acrylic Sealant**

It is a special sealant, 100% acrylic polymer caulk or sealant for multi-purpose application with good adhesion and elasticity, less-shrinkage, durability and weathering resistance. The product is made from 10% AAC waste. It is easy to use, can be paintable and also contains antimicrobial protection to inhibit the growth of stain causing mold and mildew. It can be used on a wide variety of substrates and designed for seal on interior and exterior gap between wood, concrete, brick, drywall, also ideal for sealing crack seems and joints around windows, door, roof, etc

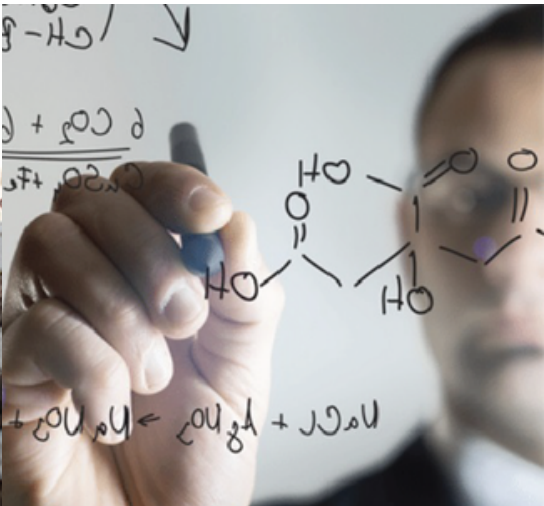
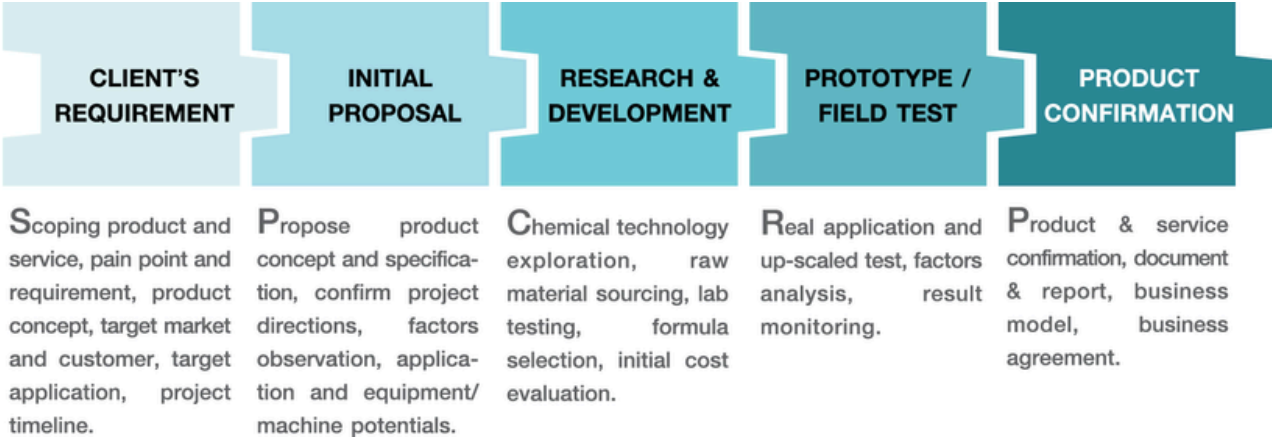
Packing size
300 ml cartridge



RHINOZ REWO
Wall Panel **ULTI WALL**

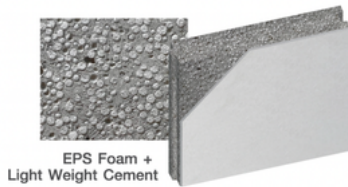
The Ultimate Solution to All Wall Problems

Ulti Wall is the new alternative wall solution that answers all pain points of builders and building users due to its selections of wall type, material type, and additional property that are customizable to suit all needs. Our main purpose is to achieve a better general property such as higher strength for higher load bearing ability or lighter weight for more economic construction, as well as the specialized property for specific function such as minimizing condensation for rooms with different temperature or shielding radiation for x-ray room, while lessen application problems, for better constructing and living experience.



Wall Panel ULTI WALL

Ulti Wall is the new alternative wall solution that answers all pain points of builders and building users due to its selections of wall type, material type, and additional property that are customizable to suit all needs. Our main purpose is to achieve a better general property such as higher strength for higher load bearing ability or lighter weight for more economic construction, as well as the specialized property for specific function such as minimizing condensation for rooms with different temperature or shielding radiation for x-ray room, while lessen application problems, for better constructing and living experience.

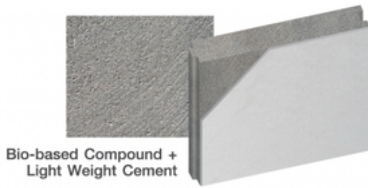


EPS Foam +
Light Weight Cement

RHINOZ REWO Ulti Wall Light

lightweight panel with optimized strength

- Increased impact resistant
- Thermal and sound insulation
- Consistency of EPS dispersion
- Improve condensation resistant property
- Cost-effective foundation system
- Improved drill and hang capability
- Antimicrobial, hygienic
- Exterior and moist area even without topping

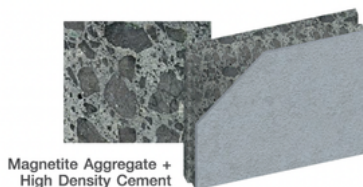


Bio-based Compound +
Light Weight Cement

RHINOZ REWO Ulti Wall Green

eco-composite with biochar for improved thermal resistance

- Non-toxic, eco-friendly
- Increased impact resistant
- Thermal and sound insulation
- Improve condensation resistant property
- Applicable for organic/bio license
- Improved drill and hang capability
- Antimicrobial, hygienic
- Exterior and moist area even without topping



Magnetite Aggregate +
High Density Cement

RHINOZ REWO Ulti Wall Power

high-strength formula with Core Additive

- Withstand mechanical force with lower volume
- For radiation shielding application
- Decrease vibration and dampen sounds
- Heat and cold storage (underfloor heating or ice rinks)
- Lower volume for space and design limitation
- Ideal for underwater construction (upward pressure)
- Antimicrobial, hygienic
- Exterior and moist area even with out topping

Potential Certifications:

- Environmental Product Declaration (EPD)
- Cradle to Cradle Certified®
- Verra certification for carbon credits
- USDA Certified Biobased Product
- TINT Thailand Institute of Nuclear Technology (Radiation Filtration)





Feel Safe.
Off the Fire.

Your Lives are Our Priority.



RHINOZ REWO

Flame Retardant



RHINOZ FireOff Solution is developed to meet all requirements in commercial building codes, with intentions to produce least toxic gases, to prevent spreading of fire, and most importantly for the building to maintain its integrity until all lives are saved.

INTUMESCE
Up to 50 times
the thickness of paint



When exposed to temperature exceeding 120°C, the paint will expand up to 50 times and form a char layer that thermally insulates the substrate to maintain its temperature range for over 2 hours.



Prevent Flame Spread & Fire Resistant

The solution offers fire spread resistance compartment boundaries to retard the fire spreading, control the smoke development and resist fire, which allows the building elements to be protected during the hour of fire.

- Fire Resistance Rating (ASTM E-119) 2 hours



Thermal Insulation

Intumescent fire barrier are designed to slow the process of combustion heat transfer to the structural element. When exposed to fire, the charring acts as an insulative layer between the fire and the substrate and helps seal voids.



High Impact Protection

The cementitious product line are developed to be suitable for any sudden shock or load, as there are possible impact accident in time of fire to ensure the fire resistant function is maintained.



No Toxic Smoke & Gas

Water based products gives less odour with low VOC and no dangerous gas production when exposed to fire. It allows longer touch up time for smoother finishing without compromising the fireproofing property.

- Surface Burning Characteristic (ASTM E84) Class A



Minimize Sound Transfer

Acoustic sealant allows minimized disturbance of sound transmission from room to room, or to neighbour. Sound transmission could serve a regulation or personal concern to ensure privacy and comfort of living.

- Sound Transmission (ASTM E 90-99)



Fungi & Algae Resistant

Mold and bacteria resistant chemicals allow a long lasting property and quality.

- Tested Antibacterial activity according to ISO 22196



Stop Rust

Convert the rust without removing or grinding the rust. No further corrosion and adhere tightly to the steel.



RHINOZ REWO FireOff Sealant

It is 100% acrylic polymer multipurpose sealant made with 10% upcycled AAC waste and 5% recycled gypsum. Offers strong adhesion, elasticity, low shrinkage, and resistance to weather, water, mild chemicals, mold, and mildew. Fire-retardant to slow fire spread and reduce smoke. Paintable and easy to apply on various surfaces, ideal for sealing gaps, cracks, seams, and joints in both interior and exterior applications.

Packing size
300 ml cartridge

Sustainability data:
Carbon footprint: (1.23 KgCO₂/ unit REWO fireoff sealant)
IPCC2013 GWP 100a

RHINOZ REWO FireOff Barrier Mortar

RHINOZ REWO FireOff F-102 is a fire barrier mortar designed for spray application to coat wall and structure as a fire resistive material. RHINOZ REWO FireOff F-102 is a cement based ready for mixing with water to achieve fire rated spray texture or smooth trowel finished. RHINOZ REWO FireOff F-102 gives an excellent adhesion to full range of construction substrates. RHINOZ REWO FireOff F-102 will absorb and prevent heat conduction to reduce likelihood of exposure to fire and igniting of combustible matter on the unexposed side of the assembly. RHINOZ REWO FireOff F-102 is designed to adhere to fire test requirements of fire test standards.

Packing size
20 Kg bag

The product is made from 10% AAC waste, 5 % Gypsum waste, 2 % biochar

RHINOZ REWO FireOff Epoxy Primer

A two component water-borne epoxy coating for corrosion protection that is versatile, fast drying, flash rust inhibiting and fire retardant. It can be used as primer, mid coat, finish coat or as a single coat system on carbon steel, aluminium, concrete and galvanised steel substrates.

Packing size
4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste

RHINOZ REWO FireOff Intumescent Barrier

A single component water-based fire barrier coating that will intumesce to several times their original size when activated by high temperatures of flames during the fire. The final result of the chemical reaction is the development of insulating foam that protects the material from fire and reduces the smoke and the heat transmission.

Packing size
4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste

RHINOZ REWO FireOff Acrylic Top Coat

A premium quality water-borne acrylic hybrid coating designed for internal and external fire retardant application with good adhesion, good flexibility, good durability, and excellent weather and UV resistance.

Packing size
4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste





RHINOZ REWO *Ecolight*



RHINOZ REWO Biochar Pro Compound

A sustainable cement-based pellet incorporating biochar from coconut waste. The inclusion of biochar enhances carbon footprint reduction and carbon capture, while perlite ensures a lightweight structure. Supplied in dry mix form, Biochar Pro Compound contributes to sustainable construction with improved environmental performance.

Application:

- Precast
- AAC panel
- Fibercement board

Benefit:

- Circular economy
- Agricultural waste reduction
- Carbon Capture
- Lightweight Structure

Potential Certifications:

- Environmental Product Declaration (EPD)
- Cradle to Cradle Certified®
- USDA Certified Biobased Product
- Verra certification for carbon credits

RHINOZ REWO Pro Compound

An advanced cement compound blended with perlite and recycled AAC and Perlite. This formulation supports the circular economy by reusing industrial by-products, while also offering lightweight and carbon reduction properties. Available in dry mix format, Rewo Pro Compound is ideal for eco-conscious construction applications.

Application:

- Hollowcore
- AAC panel

Benefit:

- Ultra Lightweight Properties
- Carbon footprint Reduction
- Circular economy

Potential Certifications:

- UL 2809 Environmental Claim Validation (or GreenCircle Certified)
- Singapore Green Label (SGLS), Thai green label,
- Carbon footprint certification
- TREES (Thai's Rating of Energy and Environmental Sustainability) Contribution

Sustainability data:

Carbon footprint: (0.68 KgCO₂/Kg Ecolight) IPCC2013 GWP 100a

RHINOZ REWO PP-102 **Agriwaste Pro Compound**

AA bio-based cement compound enriched with coconut husk and natural fiber waste. Designed to promote biobased solutions and circular economy principles, this pellet improves resource efficiency while delivering reliable structural performance. Offered in dry mix forms, Agriwaste Pro Compound is a sustainable choice for green building materials.

Application:

- Precast
- AAC panel
- Fibercement board

Benefit:

- Bio-Based Compound
- Agricultural waste reduction
- Resource Efficiency
- Green Building

Potential Certifications:

- Environmental Product Declaration (EPD)
- Cradle to Cradle Certified®
- USDA Certified Biobased Product

Sustainability data:

Carbon footprint: (0.68 KgCO₂/Kg Ecolight) IPCC2013 GWP 100a

RHINOZ REWO PP-103 **Rewo Compound**

A cement compound formulated with recycled AAC and gypsum waste, engineered to promote the circular economy and carbon reduction. By reusing industrial waste streams, Rewo Compound delivers sustainable material solutions with consistent quality. Supplied in dry mix form, it supports greener and more efficient construction practices.

Application:

- Hollowcore
- AAC panel

Benefit:

- Lightweight Properties
- Carbon footprint Reduction
- Circular economy

Potential Certifications:

- UL 2809 Environmental Claim Validation (or GreenCircle Certified)
- Singapore Green Label (SGLS), Thai green label,
- Carbon footprint certification
- TREES (Thai's Rating of Energy and Environmental Sustainability) Contribution



RHINOZ REWO Decorative



RHINOZ REWO Armour Tex

A high-performance ready-to-used synthetic acrylic decorative coating designed for both interior and exterior surfaces, delivering customized aesthetic finish. Formulated with advanced acrylic polymers and incorporating 10% AAC (Autoclaved Aerated Concrete) waste and 5% gypsum waste, this eco-friendly coating enhances sustainability while providing superior durability, flexibility, and resistance to environmental factors.

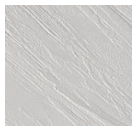
Packing size
5 Kg bucket/ 26 Kg bucket

Sustainability data:

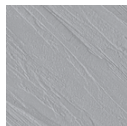
Carbon footprint: (30.67 KgCO₂/unit REWO armour tex) IPCC2013 GWP 100a

Add-on Biochar: ~20-30% less CFP

Natural Colour

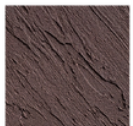


ATR-N01

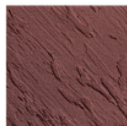


ATR-B-N02

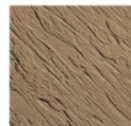
Integral Colour



ATR-01 / ATRB-01



ATR-02 / ATRB-02



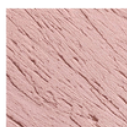
ATR-03 / ATRB-03



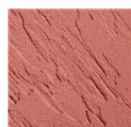
ATR-04 / ATRB-04



ATR-05 / ATRB-05



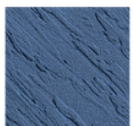
ATR-06 / ATRB-06



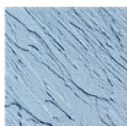
ATR-07 / ATRB-07



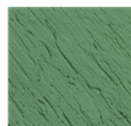
ATR-08 / ATRB-08



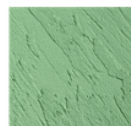
ATR-09 / ATRB-09



ATR-10 / ATRB-10



ATR-11 / ATRB-11



ATR-12 / ATRB-12

* ATR = Circular Material, ATRB = Circular Material+ Biochar)



RHINOZ REWO Cem Tex

A high-performance decorative cement plaster designed for both interior and exterior applications. Made with 10% AAC (Autoclaved Aerated Concrete) waste and 5% gypsum waste, it offers enhanced sustainability without compromising durability. The formulation provides a smooth, textured, or customized aesthetic finish while ensuring excellent adhesion and weather resistance.

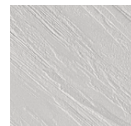
Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (6.51 KgCO₂/unit REWO cem tex) IPCC2013 GWP 100a

Add-on Biochar: ~20-30% less CFP

Natural Colour

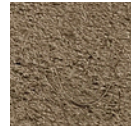


CTR-N01

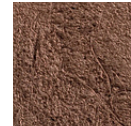


CTR-B-N02

Integral Colour



CTR-SP01



CTR-SP02



CTR-SP03



CTR-SP04



CTR-SP05

RHINOZ REWO*Decorative***RHINOZ REWO**
All Seasons - Interior

It is a high-quality acrylic water-based matte paint with low VOCs, made from 100% acrylic and special pigments. It gives smooth film and high opacity, good adhesion and easy cleaning ability. It contains an antimicrobial additive to protect bacteria, fungi, yeasts and algae. It is environmentally friendly and user safety as it is free of lead and mercury. It is suitable for interior decoration of buildings, on plaster, concrete, and other surfaces with the same characteristics, especially for condominiums, hotels and houses that require long-lasting protection.

Packing size: 1 Gallon / 5 Gallon
Colour Shade : SIR-001 - SIR-024 (Matte)

The product is made from 10% AAC waste

RHINOZ REWO
Primer Shield

It is 100% acrylic polymer water-based for premium quality primer paint, both exterior and interior used. It is low VOCs, good adhesion, good alkali and fungus resistance, user safety as contains no added lead and no added mercury. It can be used as primer coat for new and old masonry surfaces provided the surfaces is completely dry and clean, also other substrate such as concrete, brickwork, asbestos, hardboard, fiber cement and etc.

Packing size: 1 Gallon / 5 Gallon (White)

The product is made from 10% AAC waste

RHINOZ REWO
All Seasons Primer

It is 100% acrylic polymer water-based for premium quality primer paint, both exterior and interior used. It is low VOCs, good adhesion, good alkali and fungus resistance, user safety as contains no added lead and no added mercury. It can be used as primer coat for new and old masonry surfaces provided the surfaces is completely dry and clean, also other substrate such as concrete, plastering walls, asbestos, hardboard, fiber cement and etc.

Packing size: 1 Gallon / 5 Gallon (White)

The product is made from 10% AAC waste

RHINOZ REWO
All Seasons - Exterior

It is a high-quality acrylic water-based matte paint with low VOCs, made from 100% acrylic and special pigments. It gives smooth film and high opacity, good adhesion and weathering resistance. Also offers easy cleaning ability, contains an antimicrobial additive to protect bacteria, fungi, yeasts and algae. It is environmentally friendly and user safety as it is free of lead and mercury. It is suitable for decorative applications both inside and outside buildings, on plaster, concrete, and other surfaces with the same characteristics, especially for condominiums, hotels and houses that require long-lasting protection.

Packing size: 1 Gallon / 5 Gallon
Colour Shade : SER-001 - SER-024 (Matte)

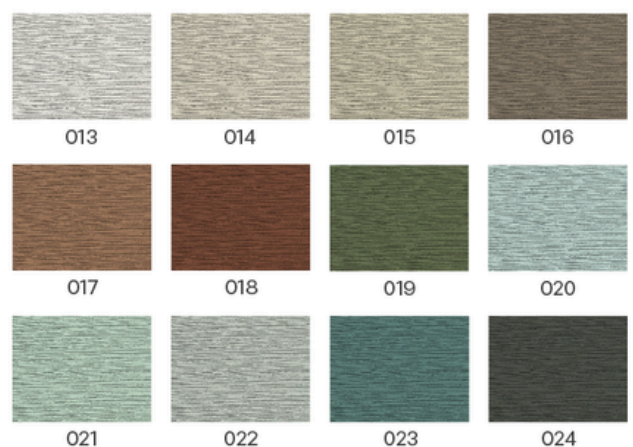
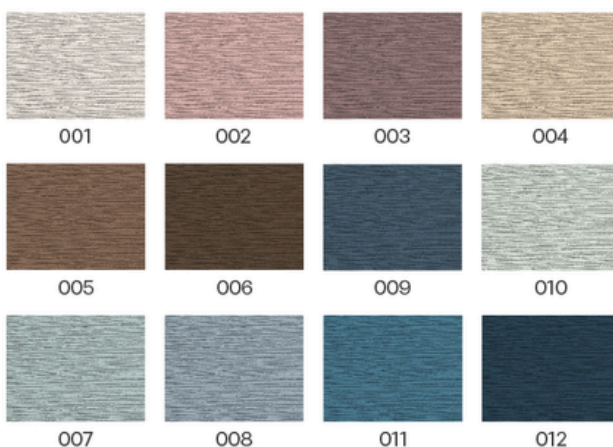
The product is made from 10% AAC waste

RHINOZ REWO
Acrylic Shield

It is 100% acrylic polymer water-based for premium quality semi-gloss paint. It has low VOCs and both exterior and interior used. It can also be used on concrete, masonry, fiber cement, and fiber concrete and etc. It provides a smooth film, good adhesion, and weathering resistance. Additionally, it offers easy cleaning ability and contains an antimicrobial additive to protect against bacteria, fungi, yeasts, and algae. It is environmentally friendly and safe for users, as it contains no added lead and no added mercury.

Packing size: 1 Gallon / 5 Gallon
Colour Shade : ASR-001 - ASR-024 (Semi-gloss)

The product is made from 10% AAC waste



RHINOZ REWO Decorative

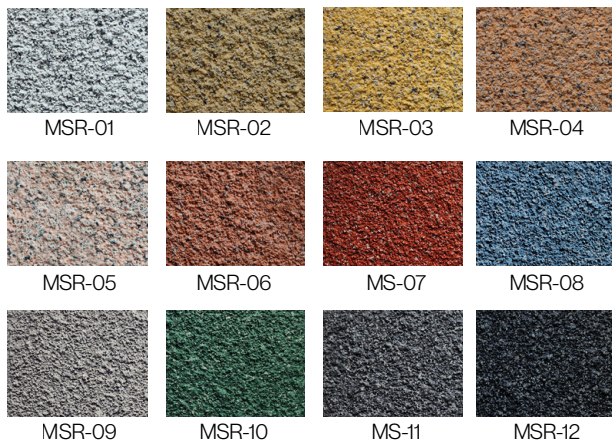


RHINOZ REWO TerraTex

RHINOZ REWO TerraTex is a high-performance acrylic base with sand aggregates coat designed to provide a strong and uniform foundation for decorative textured coatings. It enhances adhesion, improves surface consistency, and promotes long-lasting durability for subsequent texture finishes. Suitable for both interior and exterior applications, TerraTex ensures reliable performance while creating the ideal base for premium architectural wall systems.

Packing size
4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste



RHINOZ REWO MultiTex

RHINOZ REWO MultiTex is a premium acrylic decorative coating formulated with selected mineral aggregates to create elegant natural stone-like textures. It delivers excellent weather resistance, strong adhesion, and long-lasting durability while providing a high-quality architectural finish. Suitable for both interior and exterior applications, MultiTex combines premium aesthetics with reliable protection for modern building façades.

Packing size
5 Kg bucket/ 25 Kg bucket

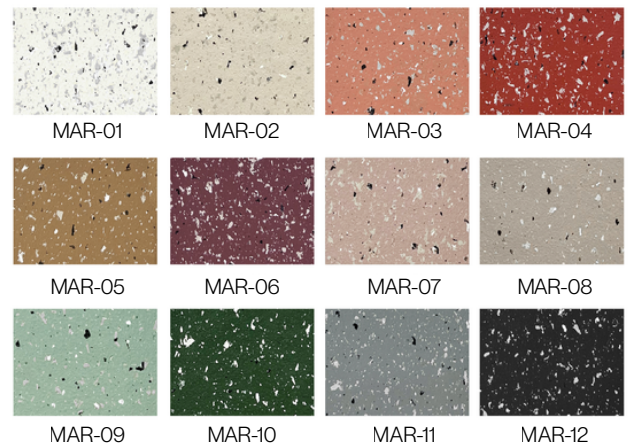
The product is made from 10% AAC waste

RHINOZ REWO Basetone

RHINOZ Basetone is 100% acrylic polymer water-based for premium quality primer paint, designed to use as primer coat before apply RHINOZ Multicolour for both exterior and interior use, on various substrates such as concrete, masonry, plaster, fiber cement, gypsum board, etc. It is high opacity and improve the adhesion of the top coat. It contains active biocides to resist growth of mold and mildew and contains no lead or mercury, so it is safe for user and environment.

Packing size
4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste



RHINOZ REWO Multicolour

A ready-to-use acrylic spray paint is designed with the inspiration of granite stone for seamless natural stone pattern creation on furniture, wall, and ceiling. It comes with selections of base colours that offers various styles while provides durability, excellent adhesion to various surfaces such as concrete, mortar, fiber cement, gypsum board, etc. It contains antimicrobial agent that prohibit growth of fungi and algae, for longer usage.

Packing size
1 Kg bucket/ 4 Kg bucket/ 20 Kg bucket

The product is made from 10% AAC waste



RHINOZ REWO Paving Block

A sustainable paving block made from 5% AAC waste, 5% gypsum waste, and 2% biochar, designed for walkways, pavements, and outdoor landscape areas. The product upcycles industrial waste into a durable material that reduces carbon footprint, acts as a carbon sink, and supports circular economy-driven green projects.

Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (2.55 KgCO₂/unit REWO paving block) IPCC2013 GWP 100a



RHINOZ REWO Signage

A lightweight hypertufa material made from 8% gypsum waste and 1% biochar, ideal for planters, landscape elements, and decorative features in urban greening and green architecture. This product combines waste upcycling with carbon sink technology to support circular and low-carbon design.

Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (9.71 KgCO₂/unit REWO signage) IPCC2013 GWP 100a



RHINOZ REWO Hypertufa

Formulated for sustainable urban and landscape applications, this biochar-infused eco-composite transforms coconut waste into durable paving materials that actively store carbon and reduce the product's overall CO₂ footprint. Designed to replace conventional concrete blocks, it delivers high compressive strength, thermal regulation, and a natural matte texture, embodying the principles of waste valorization and circular construction.

Packing size
25 Kg bag

Sustainability data:

Carbon footprint: (11.65 KgCO₂/unit REWO signage) IPCC2013 GWP 100a





*Turn waste into
opportunity*



Contact us:



BMS (2020) Thailand Co., LTD

48/58 Moo 1 Ekachai rd. Khok-krabue, Mueng, Samutsakhon, 74000 THAILAND

Social Media: BMS - Build Matter Solution