

SCG GREEN PRODUCT CERTIFICATION GUIDE



SCG CEMENT & BUILDING MATERIALS

Step into a Low-Carbon Future with Innovative Cement, Building Materials, and Green Solutions from SCG for Sustainable Living



LOW CARBON OPERATION TO GREEN PRODUCT

Cement and Ready-Mixed Concrete

Alternative Fuels

Transition from fossil fuels to alternative energy sources to directly reduce CO₂ emissions from manufacturing.



- Biomass Energy Pellets
- Biomass Fuel
- Alternative fuels derived from community and industrial waste, such as RDF (Refuse-Derived Fuel) and Mixed Fuel



Increase Renewable Energy

Transition to clean energy to reduce CO₂ emissions from power consumption while increasing the share of renewable energy in operations.



- Solar Farm
- Solar floating system
- EV mining truck
- EV mixer truck



Low Carbon Product

Reduce clinker content in cement and ready-mixed concrete production to lower CO₂ emissions, while maintaining product strength and quality standards.

Building and Decorative Materials

Increase Clean Energy Usage by

20 %

Clean energy from solar power accounts for 20% of the total electricity consumption in all operations.



Use of Recycled Content

7 %

Reduce the use of virgin raw materials by 7% of total raw material consumption.



Increase Biomass Energy Usage by

55 %

Increase the use of biomass energy in place of natural gas by 55% of total thermal energy consumption.



Transition to Low-Carbon Cement

100 %

By replacing conventional cement with low-carbon cement as the primary material used in production.



Asbestos-Free Products

100 %

All products are completely free from asbestos, a known cause of lung cancer.



International and National Environmental Labels and Standards



Environmental Product Declaration (EPD)

Provides transparent environmental impact information throughout a product's life cycle based on international standards, enabling verification and comparison.



Carbon Footprint of Products (CFP)

Displays the total greenhouse gas* emissions generated throughout a product's life cycle, including production, usage, and disposal processes.

**Greenhouse gases (GHG) are gases that trap heat in the atmosphere. Carbon dioxide is used as the reference unit, with other gases converted into Carbon Dioxide equivalent (CO₂e).*



Carbon Footprint Reduction (CFR)

A label signifying that the product meets the specified requirements for reducing greenhouse gas* emissions

**Greenhouse gases (GHG) are gases that trap heat in the atmosphere. Carbon dioxide is used as the reference unit, with other gases converted into Carbon Dioxide Equivalent (CO₂e).*



SCG Green Choice

An SCG self-declared environmental label for products, services, and solutions that meet SCG's environmental performance criteria, in accordance with ISO 14021.



Circular Economy – Carbon Footprint of Product (CE-CFP)

A carbon footprint label for products developed under circular economy principles.



Green Label

An environmental label awarded to products that have a lower environmental impact throughout their life cycle compared to similar products, considering processes from raw material sourcing, production, transportation, usage, to disposal or recycling.



Energy Saving Label No. 5 (High Efficiency Label)

A label indicating high energy efficiency. Products displaying this label have passed performance testing according to the standards specified for each product category.



Green Industry

A certification awarded by the Ministry of Industry recognizing Green Industry Level 5 standards at the organizational or factory level.



WHAT IS SCG GREEN CHOICE?



Environmental and Health-Friendly
Label Certified under ISO 14021

Choose the best for you—and for the planet.

SCG Green Choice is a certification label for eco-friendly and health-conscious products & services, adhering to ISO 14021 standards. It empowers consumers to make informed decisions with ease, ensuring every choice is sustainable, safe, and meaningful—preserving our planet for generations to come.



SCG Green Choice A Type II Environmental Label

A label used to communicate environmental claims declared by the manufacturer (Self-Declared Environmental Claims) in accordance with

ISO 14021 standards.

SCG Green Choice is developed based on environmental certification standards and also emphasizes consumer well-being in line with ISO 14021 requirements.



Low-carbon, saves energy and
water, reduces global warming
(Low Carbon)



Conserves natural resources
and extends product lifespan
(Circularity)



Promotes health and well-being
(Well-Being)



Products Certified with Environmental Labels and Standards

Products and Solutions



Structural

Cement

SCG Low Carbon Structural Cement	●	●	●	●	●	●	●	●
SCG Low Carbon High Early Strength Cement								●
SCG Low Carbon Marine Cement		●	●	●				●
SCG Low Carbon Portland Pozzolan Cement		●	●	●				●
SCG Low Carbon Precast Cement		●	●	●				●
SCG Low-Carbon Extra Durable Structural Cement, Southern Formula		●	●					●

Ready-Mixed Concrete

CPAC Low Carbon Concrete								
• 180 KSC		●	●	●				
• 210, 240, 280, 300, 320, 350, 380, 400, 420, 650 KSC		●	●	●				●
• 600 KSC		●	●					●
CPAC Normal Concrete								
• 280 KSC (C24/28, MPa)	●	●						●
• 320 KSC (C30/32, MPa)	●	●						●
CPAC Normal Concrete (Supplementary Cementitious Material Formula)								
• 280 KSC (C24/28, MPa)	●	●						●
• 320 KSC (C30/32, MPa)	●	●						●
CPAC Post-Tensioned Concrete								
• 380 KSC (C32/38, MPa)	●	●						●
• 400 KSC (C35/40, MPa)	●	●						●
CPAC Post-Tensioned Concrete (Supplementary Cementitious Material Formula)								
• 380 KSC (C32/38, MPa)	●	●						●
• 400 KSC (C35/40, MPa)	●	●						●
CPAC Waterproof Concrete								
• 240 KSC (C21/24, MPa)	●	●						●
• 280 KSC (C24/28, MPa)	●	●						●
• 320 KSC (C28/32, MPa)	●	●						●
CPAC Waterproof Concrete (Supplementary Cementitious Material Formula)								
• 240 KSC (C21/24, MPa)	●	●						●
• 280 KSC (C24/28, MPa)	●	●						●
• 320 KSC (C28/32, MPa)	●	●						●
CPAC Industrial Floor Concrete								
• 320 KSC (C28/32, MPa)	●	●						●
• 400 KSC (C35/40, MPa)	●	●						●
CPAC Large Bored Pile Concrete								
• 400 KSC (C35/40, MPa)	●	●						●
CPAC Large Bored Pile Concrete (Supplementary Cementitious Material Formula)								
• 400 KSC (C35/40, MPa)	●	●						●
CPAC Marine Concrete								
• 280 KSC (C24/28, MPa)	●	●						●
• 320 KSC (C28/32, MPa)	●	●						●
• 400 KSC (C35/40, MPa)	●	●						●
CPAC High Strength Concrete								
• 550 KSC (C50/55, MPa)	●	●						●
• 650 KSC (C60/65, MPa)	●	●						●
• 850 KSC (C80/85, MPa)	●	●						●

Products and Solutions



CPAC Low Heat Concrete

• 320 KSC (C28/32, MPa)

• 380 KSC (C32/38, MPa)

CPAC Lean Concrete

CPAC Hollow Core

Thicknesses: 8, 10, 12, 15, 20, 25, 30 cm.

CPAC Precast Concrete Wall Thicknesses: 10 and 20 cm.

CPAC Precast Concrete Floor Thicknesses: 10, 12, 15, 20 cm.

CPAC Precast Concrete Beam

CPAC I Pile, T Pile and T-Beam

CPAC Precast Concrete System

Architectural

Floor / Wall

Lightweight Concrete

Q-CON Lightweight Concrete Blocks – Quality Grade 2

Q-CON Lightweight Concrete Blocks – Quality Grade 4

Q-CON Reinforced Lightweight Concrete

Q-CON Lightweight Concrete Lintels

Q-CON Decorative Concrete Garden Blocks

Q-CON Easy Ventilation Block (Double Square)

Q-CON Lightweight Concrete Stone Pattern Slab

Mixed Cement / Mortar / Technical Mortar

TIGER Low Carbon Mixed Cement Masonry, Plastering, Floor Screed

TIGER Low Carbon Mixed Cement – Special Plastering Formula

TIGER Super Low Carbon Mixed Cement Masonry, Plastering, Floor Screed

TIGER Low Carbon Ready-Mixed Mortar – General Masonry

TIGER Low Carbon Ready-Mixed Mortar – General Plastering

TIGER Low Carbon Ready-Mixed Mortar – General Plastering, Xpert Formula

TIGER Low Carbon Ready-Mixed Mortar – Lightweight Block Masonry

TIGER Low Carbon Ready-Mixed Mortar – Lightweight Block Plastering

TIGER Low Carbon Ready-Mixed Mortar – Lightweight Block Plastering, Xpert Formula

TIGER Low Carbon Ready-Mixed Mortar – Dry Concrete

TIGER Low Carbon Ready-Mixed Mortar – Fine Plaster

TIGER Low Carbon Ready-Mixed Mortar – Concrete Surface Plaster

TIGER Low Carbon Ready-Mixed Mortar – Base Coat Plaster

TIGER Low Carbon Ready-Mixed Mortar – Easy Formula

TIGER Low Carbon Ready-Mixed Mortar – Self-Leveling Floor Screed

TIGER Low Carbon Ready-Mixed Mortar – L2 Self-Leveling Compound, Thin Application 1-5 cm.

TIGER Low Carbon Tile Adhesive – Green, for Ceramic and Granito Tiles

TIGER Low Carbon Tile Adhesive – Pink, for Ceramic, Granito, Marble, and Granite Tiles

TIGER Low Carbon Tile Adhesive – Gold, for Ceramic, Granito, Marble, Granite, and Natural Stone Tiles

TIGER Low Carbon Ready-Mixed Skim Coat – White

TIGER Low Carbon Ready-Mixed Skim Coat – Grey

TIGER Tile Grout – Acid-Resistant Formula

TIGER Flexible Waterproof Cement

Smartboard and Cement Board

SCG Smartboard Zuper Wall Board – Rustic Series 8 mm.

SCG Smartboard Zuper Wall Board – Groove Series 8 mm.

SCG Smartboard Zuper Wall Board – ZILA Series 8 mm.

SCG Smartboard Zuper Wall Board – Tapered Edge Series 8 mm.

SCG Smartboard Zuper Wall Board – Square Edge Series 8 mm.

Products and Solutions



SCG Smartboard Wall Board – Square Edge Privacy Series 8 mm.



SCG Smartboard Flooring Board – Square Edge Series 1.6 cm.



SCG Cementboard



Ceiling

Smartboard

SCG Smartboard MAX Ceiling Board – Ventilated Series



SCG Smartboard MAX Ceiling Board – Ventilated Protection Series



SCG Smartboard MAX Ceiling Board – Smooth Edge Series



SCG Smartboard MAX Ceiling Board – Design Smart Series



SCG Smartboard MAX Ceiling Board – Super Smart Series



Roofing

Roof Tiles and Accessories

SCG Excella Cresta Ceramic Roof Tile



SCG Excella Classic Ceramic Roof Tile



SCG Excella Modern Ceramic Roof Tile



SCG Excella Grace Ceramic Roof Tile



SCG Celica Curve Ceramic Roof Tile



SCG Excella Classic Thai Gled-Pla Ceramic Roof Tile



SCG Neustile Modern X-Shield Heat Block Concrete Roof Tile



SCG Prestige Concrete Roof Tile



SCG Prestige X-Shield Concrete Roof Tile



SCG Prestige X-Shield Slim Concrete Roof Tile



SCG CPAC Concrete Roof Tile



SCG Ayara Oriental Fiber Cement Roof Tile – Mixed Color



SCG Ayara Timber Fiber Cement Roof Tile – Mixed Color



SCG Metal Roof Comfort Corrugated Roof – Snap Lock Profile



SCG Metal Roof BL700



SCG Metal Roof SSR760 Profile



SCG Hybrid Roman Fiber Cement Roof Tile – Mixed Color



SCG Prolon Fiber Cement Roof Tile – Mixed Color



SCG Prima Fiber Cement Roof Tile – Mixed Color



SCG Excella Ceramic Roof Ridge Cap – For All Tile Profiles



SCG Celica Curve Ceramic Roof Ridge Cap



SCG CPAC Concrete Roof Ridge Cap



SCG Fiber Cement Roof Ridge Caps – All Models and Types



SCG Translucent Sheet – Tiny Curl



SCG Translucent Sheet – Romantile Sheet



SCG Translucent Sheet – Metal Sheet Profile BK760A



SCG Translucent Sheet – Neulite



SCG Translucent Sheet – Small Corrugated



SCG Roof Truss System



SCG Heat Reflective Sheet



SCG Roof Ventilation Tile



SCG Roof Ventilation Tile Set



Solar Roofing

ONNEX Solar Roof for Residential



Roofing Services

SCG Roof Installation Service



Re-Roof Service



Top Up Roof Service



Roof Repaint Service



Products and Solutions



Thermal

Insulation and Heat Protection

SCG STAY COOL Thermal Insulation 75 mm. Premium (3 inches)	●	●	●	●		●	
SCG STAY COOL Thermal Insulation 150 mm. Premium (6 inches)	●	●	●	●		●	●
SCG COOL WALL Insulation	●	●	●	●		●	
SCG PCI Pipe Insulation (2 inches)	●	●	●				
SCG Ultrakool InnoGreen	●	●					
SCG Thermal Insulation UB-G 2450	●	●	●				
SCG Thermal Insulation UB-G 3250	●	●	●				
SCG Thermal Insulation UB-G 4850	●	●	●				
SCG Thermal Insulation UBB-G 4825	●	●	●				
SCG Thermal Insulation UBB-G 2450	●	●	●				
SCG Thermal Insulation UBB-G 3225	●	●	●				
SCG Thermal Insulation UBB-G 3250	●	●	●				

Acoustic

Acoustic Insulation / Sound Absorption

SCG Acoustic for Decorative Wall Panel Cyience Zandera	●	●	●	●			
SCG Acoustic for Ceilings tile Cyience Wonderly		●					
SCG Acoustic for Wall Insulation Cyience Zoundblock	●	●	●	●		●	
SCG Acoustic for Wall Panel Cyience Zoftone	●	●	●				

Others

SCG Acoustic Pod (Wood) - Standard Edition		●	●			●	●
SCG Acoustic Pod (Wood) - Hygiene Edition		●	●			●	●
SCG Acoustic for door and window noise zeal		●					

Decorative & Cladding

Decorative Cement

TIGER Decor Decorative Cement Color Skim Coat			●				
TIGER Decor Decorative Cement Texture Render			●				

Wood Substitute and Decorative Materials for Floor / Wall

SCG DECAAR Wood Plank - Classic 8 mm.	●	●	●				
SCG DECAAR Wood Plank - Cool Plus 8 mm.	●	●	●				
SCG DECAAR Wood Plank - WOW Plus 8 mm.	●	●	●				
SCG DECAAR Wood Plank - Special Plus 8 mm.	●	●	●				
SCG DECAAR Wood Plank - Lap siding	●	●					
SCG DECAAR Lath - WOW Plus 8 mm.	●	●	●				
SCG DECAAR Lath - Special Plus 8 mm.	●	●	●				
SCG DECAAR Fascia Board	●	●	●				
SCG DECAAR Fascia Board - Sure	●	●	●				
SCG DECAAR Fascia Board - One Piece	●	●	●				
SCG DECAAR Skirt Board (12 mm.)	●	●	●				
SCG DECAAR Fence Board (12 mm.)	●	●	●				
SCG DECAAR - Trim (10 cm.)	●	●	●				
SCG DECAAR Decorative Floor - T-Clip Shield	●	●	●				
SCG DECAAR Decorative Floor - Color Through	●	●	●				
SCG Cementwood Mega Floor		●					
SCG Cementwood Mega Stair		●					
SCG Cementwood Mega Floor V Groove		●					
SCG Cementboard Stairs, SPC Model		●					
SCG DECAAR Decorative Wall - Modeena M1	●	●	●				
SCG DECAAR Decorative Wall - Modeena M2	●	●	●				

Products and Solutions	EPD INTERNATIONAL ECO RYTER	GREEN CHOICE						
SCG DECAAR Decorative Wall – Modeena M3	●	●	●					
SCG DECAAR Decorative Wall – Modeena M4	●	●	●					
SCG DECAAR Decorative Wall – Modeena M5	●	●	●					
SCG DECAAR Decorative Wall – Modeena Lite 1	●	●	●					
SCG DECAAR Decorative Wall – Modeena Lite 3	●	●	●					
SCG DECAAR Decorative Wall – Modeena Lite 4	●	●	●					
SCG DECAAR Decorative Wall – Modish U and V	●	●	●					
SCG DECAAR Decorative Wall – Modish M	●	●						
SCG DECAAR Decorative Wall – WOOD-D	●	●	●					
SCG DECAAR Decorative Wall – WOOD-D Groove	●	●	●					
SCG DECAAR Decorative Material – C-Channel (22.3 cm.)	●	●	●					
SCG DECAAR Decorative Material – C-Channel	●	●						
SCG DECAAR Decorative Wall – Coate' and Line	●	●						
SCG DECAAR Decorative Wall – Fretwork	●	●						
SCG DECAAR Decorative Wall – Stoneva	●	●						
SCG DECAAR Aluminum Lath – ALU-X		●	●					
Exterior & Landscape								
SCG Terrazzo Tile 30 x 30 cm.		●	●		●			
SCG Terrazzo Tile 40 x 40 cm.		●	●		●			
SCG Terrazzo Tile 50 x 50 cm.		●	●		●			
SCG Terrazzo Tile 60 x 60 cm.		●	●		●			
SCG Terrazzo Prompt 50 x 50 x 3.2 cm.		●						
SCG Paving Tile – Stamp Pave		●	●		●			
SCG Paving Tile – Pavement		●	●		●			
SCG Paving Tile Polished Surface – J-Series (Tokyo Pattern), Serena		●	●					
SCG Paving Tile - UVT 40 x 40 cm.		●	●		●			
SCG Paving Tile - UVT 30 x 60 cm.		●	●		●			
SCG Paving Tile Rough Surface – Ventola		●	●		●			
SCG Paving Tile – Comfort		●	●		●			
SCG Paving Tile Rough Surface – Sino Series, Medina, Pavement, J-Series (Kyoto and Osaka Patterns)		●	●					
SCG Paving Tile – Carpet Stone		●	●					
SCG Paving Block		●	●					
SCG Decorative Paving Block		●	●					
SCG Paving Block - Cool Plus		●						
SCG Paving Block - Turf Stone		●	●					
SCG Porous Block		●	●					
SCG Curb Stone		●						
SCG Decorative Wall – True Sensations		●						
SCG Decorative Wall – True Touch		●						
SCG Paving Tile -Ventola 30 x 30 x 3.5 cm.		●	●					
SCG Paving Tile -Ventola 30 x 60 x 3.5 cm.		●	●					
SCG Fence - Classic Smart Precast Panel Fence								
• Column		●	●					
• Panel		●	●					
• Retaining Wall Panel		●	●					
• Lintel		●	●					
SCG Prefabricated Brick Fencing Castle Series								
• Post		●	●					
• Wall Block		●	●					
• Fence Lintel		●	●					

Products and Solutions



SCG NEO RHOM Precast Block Fence
SCG HYBRICK Precast Block Fence
SCG Modern Smart Precast Panel Fence



Building System & Energy Solution

Solar Solutions

ONNEX Solar Rooftop for Commercial and Industrial
ONNEX Solar Floating
ONNEX Solar Carport
ONNEX Solar Farm



Air Quality & Well-being Solution

Air Treatment Systems

ONNEX Air Scrubber
ONNEX Bi-ion



Ventilation Systems

ONNEX Active AIRFlow System
SCG Roof Ventilation Tile Set



Air Quality Monitoring Systems

ONNEX Active AIR Quality



Housing Solution

SCG HEIM Home Building Solution



**For more information,
please contact
SCG sales representatives**

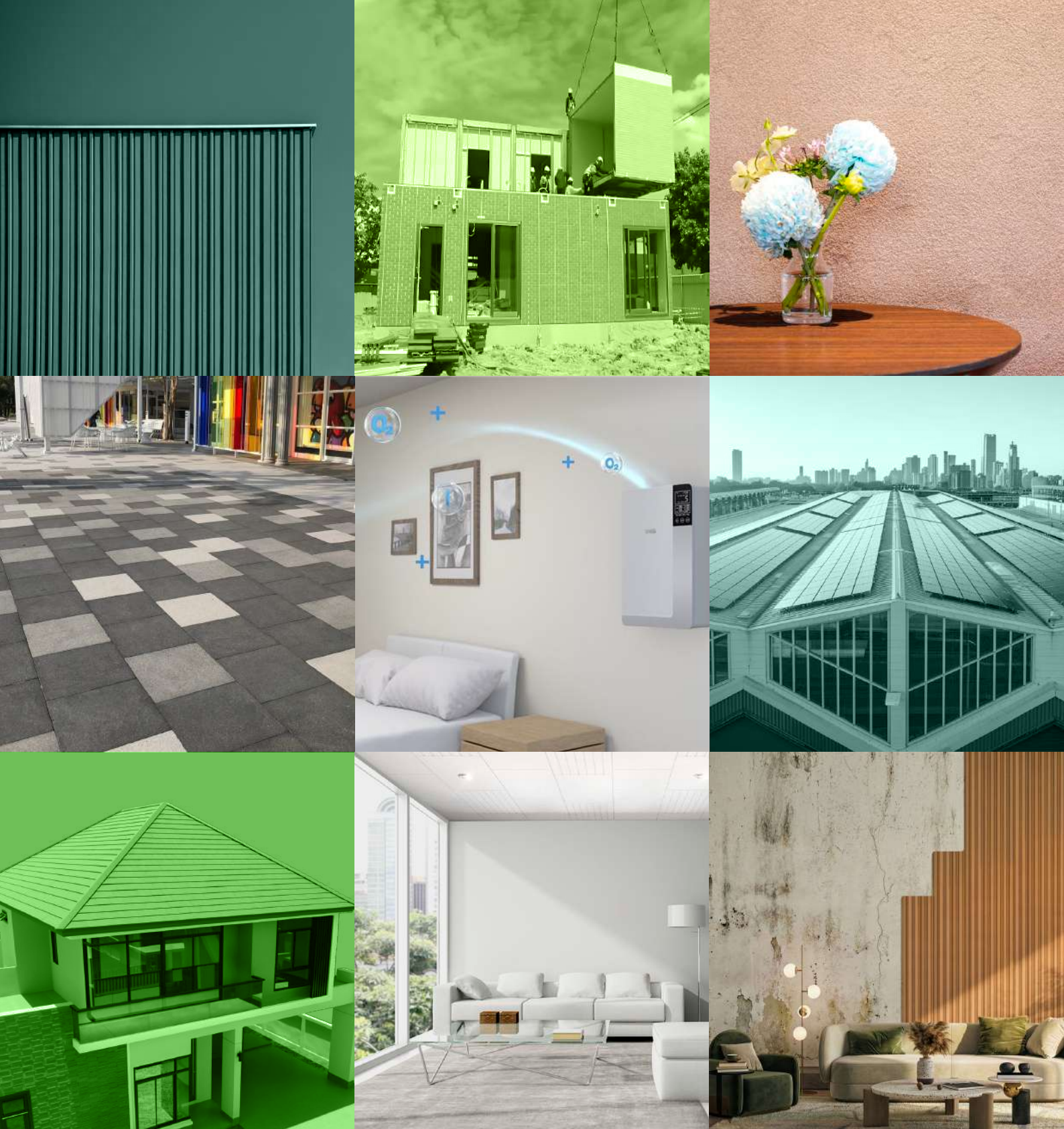
scgsmartliving.com/green-choice

SCG Contact Center

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SCGBrand



SCG CEMENT & BUILDING MATERIALS

Step into a Low-Carbon Future
with Innovative Cement, Building Materials,
and Green Solutions from SCG for Sustainable Living



Available at SCG Home | SCG Home Experience, and leading building material stores.
For more information, please contact: SCG Contact Center: 02-586-2222 E-mail: contact@scg.com,
www.scgsmartliving.com, LINE ID: @scgbrand