

 Portland
eco



ABOUT US



► **Portland Eco Development Corporation** was established in 2018 at Portland, USA, and is the innovator behind TechStone Technology. To support global demand, we manufacture in Taiwan and operate production facilities in Beijing and Bangkok, ensuring efficient production and reliable supply. With a focus on sustainability, innovation, and customer service, Portland-Eco continues to deliver high-quality solutions to partners worldwide.



NATURE OF BUSINESS



Marketing & Distribution

Delivering eco-innovate products to market



Direct Importer & Consolidator

Streamlined sourcing and supply chain



Product Design & Development

Custom solutions for every project



Logistics & Warehousing

End-to-end logistics, secure storage, and efficient delivery



Specialty Contractor

Application & installation of our product lines in architectural finishing systems



TECHSTONE

Tech Stone, also known as **liquid granite**, is a water based multi-color coating system.

It is a thick weather-shield coating with inorganic stone materials combined with high-technology water-based resin which is an **excellent alternative for natural granite**.

PRODUCT LINES



LIQUID GRANITE



OPUS



LIQUID POLISH



MICROCEMENT



**MULTI-TEXTURE
COATING**



**MINERAL SAND
FLOORING**

WHAT MAKES OUR PRODUCT DIFFERENT?



	Granite	Manufactured Stone	Natural Stone	Marble	Limestone	Sandstone	TECHSTONE
Weight	50-70 kg/sqm	20-50 kg/sqm	20-60 kg/sqm	40-60 kg/sqm	40-60 kg/sqm	40-60 kg/sqm	1-2 kg/sqm
Strength	130-200 MPa	30-70 MPa	80-120 MPa	80-120 MPa	30-100 MPa	40-90 MPa	1.29 MPa roughly 84 kg per square inch (PSI)
Tensile Degree	7-25 MPa	2-5 MPa	7-15 Mpa	7-15 MPa	3-7 MPa	5-10 MPa	1.29 MPa
Thickness	1 Inch	1-3 Inches	1-3 Inches	1 Inch	1 Inch	1 Inch	1-2 mm

INSPECTION & TESTING REPORT



Inspection and Testing Report

Page 1 of 2
Report number: TL226-252360

Sample Name:	Pancai water-coated sand series granite coating	Commission Date:	June 19, 2025
Model Specifications:	External Elastic(including sand type, texture type) xternal wall other types	Sample No.:	TL22-252181-01
Sample Quantity:	Putty:4kg/ Bottom: 3kg/ Middle: 3kg/ Main Material:3kg/ Surface: 3kg	Production Date:	2024/7/5
Sample Status:	Putty: Gray powder/ Base: Milky white liquid/ Middle: Yellow liquid Main material: Colored liquid/ Surface: Milky white liquid	Sample Arrival Date:	June 19, 2025
The judgement is based on GB18582-2020 "Limits of Hazardous Substances in Architectural Wall Paints" and HG/T4343-2024 "Water-based Multi-Color Architectural Paints."			
Inspection Date:	June 23, 2025 to July 23, 2025	Issue Date:	August 15, 2025

Summary of Test Results					
	Test Items	Standard Value	Test Results	Detection Method	Single Determination
1	VOC Content, g/l	≤100	37	GB/T23986-2009 GB18582-2020	Qualified
2	Formaldehyde Content, mg/kg	≤50	Not detected	GB/T23993-2009	Qualified
3	Total content of benzene series (limited to benzene, toluene, xylene, Benzene (including ethylbenzene)), mg/kg	≤100	Not detected	GB/T23990-2009	Qualified
4	Total lead (Pb) content limited color paint and putty), mg/kg	≤90	Not detected	GB/T30647-2014	Qualified
5	Solubility heavy metal content (Limited color paint and putty)	Cadmium (Cd) content, mg/kg	Not detected	GB/T23991-2009	Qualified
		Chromium (Cr) content, mg/kg	Not detected		
		Mercury (Hg) content, mg/kg	Not detected		
6	Total content of alkylphenol polyoxyethylene ether (limited) Phenol polyoxyethylene ether [C8H17-CH4-] (OC2H4) nOH, referred to as OPnEO and nonyl Phenol polyoxyethylene ether [C9H19-C6H4-] (OC2H4)nOH, Simple Called NPnEO], n=2-16), mg/kg	≤1000	Not detected	GB/T31414-2015	Qualified
7	Status in the container	Normal	Normal	HG/T4343-2024	Qualified
8	Thermal storage stability	Pass	Pass	HG/T4343-2024	Qualified
9	Low temperature stability	No deterioration	No deterioration	GB/T9268-2008	Qualified
10	Drying time (Surface drying), h	≤6	≤6	GB/T1728-2020	Qualified
11	Initial drying crack resistance	3h, No Cracks	3h, No Cracks	HG/T4343-2024	Qualified

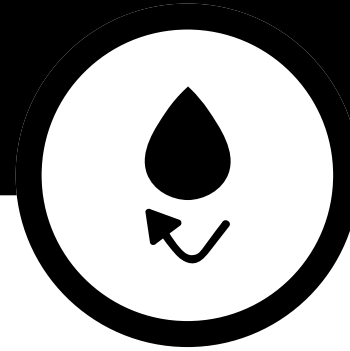
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中国认可
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检测
TESTING
CNAS L4350

TECHSTONE



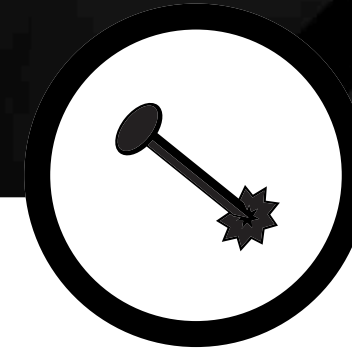
HIGH QUALITY
GRANITE
SIMULATION



LONG-TERM
WEATHER
RESISTANCE



ADAPTIVE
DESIGN



HIGH CRACK
AND STAIN
RESISTANCE



HIGH QUALITY GRANITE STONE SIMULATION

It creates granite texture **with penetrating and infusing colors**, natural and prominent, elegant and sophisticated.

Tech Stone is not only limited to the stock designs on hand. Portland Eco Development can match and customize the color pattern according to the client's needs and stone design.



VARIOUS EFFECTS DEPENDS ON THE CHOICE OF COLORS

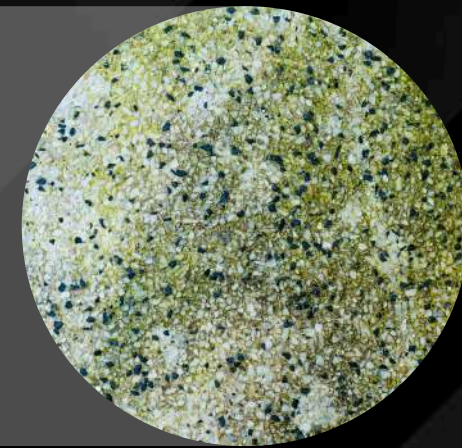
adaptive architectural designs
to shapes and moldings



LONG-TERM WEATHER RESISTANCE

Excellent weather and UV Resistance with Anti-Alkaline, algae and mildew.

Stain resistance, self-cleaning and hydrophobic.



HIGH STAIN RESISTANCE

Using **Nano Coating technology**, Tech Stone has a SELF-CLEANING property in the rain that makes our coating easy to maintain and clean.

Only repels water, oil and dirt.

EFFORTLESS CLEANING AND MAINTENANCE

Active stain and Hydrophobic properties that prevents water or rain from permeating into the coat matrix to avoid the growth of fungi, algae and efflorescence.



HIGH CRACK RESISTANCE

Applicable on various material surfaces like Cement, Aluminum, Metal, Wood, Glass, Tiles etc.

Contains over 80% of nature's highly elastic materials giving it the **ability to cover minuscule cracks on walls.**

APPLICATION



STEP 1

ENSURE WALL IS STRAIGHT



STEP 2

SANDING THE WALL FOR BUMPS OR UN-EVENNESS



STEP 3

APPLY TECHSTONE ANTI-ALKALINE EMULSION SEALER



STEP 4

LAYOUT THE DESIRED DESIGN JOINT



STEP 5

MASK OVER DESIGN JOINT WITH PAINTERS TAPE



STEP 10

APPLY TECH STONE WATER REPELLANT TOP COAT



STEP 9

REMOVE PAINTERS TAPE TO REVEAL THE DESIGN JOINT



STEP 8

SPRAY APPLICATION TECH STONE PATTERN COAT



STEP 7

MIX THE TECH STONE PATTERN COAT



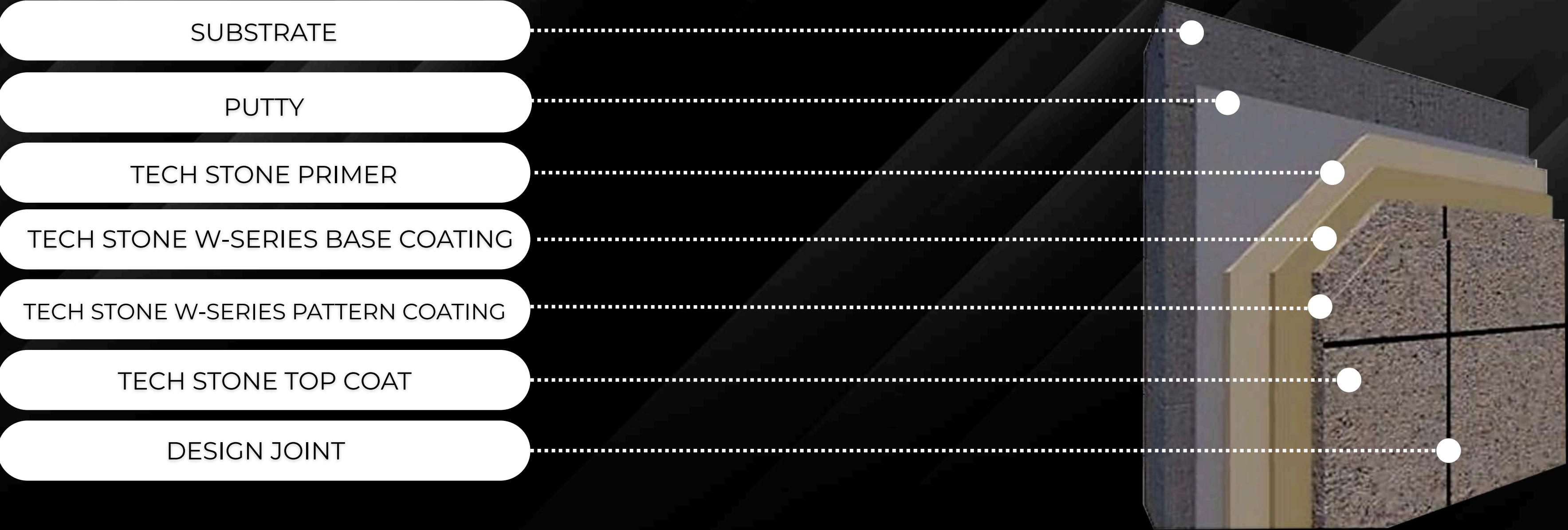
STEP 6

APPLY TECHSTONE BASECOAT WITH ROLLER BRUSH



CLEAR TOPCOAT PROVIDES ADDITIONAL PROTECTION AND SMOOTH COATING TOPCOAT LAYER CREATES EXCELLENT DUST RESISTANCE.

PRODUCT STRUCTURE





TECH STONE W-SERIES
COLORED BASED COAT



TECH STONE W-SERIES
PATTERN COAT



TECH STONE SILICONE
WATER REPELLANT COAT

PRODUCT SPECIFICATIONS

NOTE:

(5KG BUCKET – BASED COAT FOR 2 LAYERS = 3 SQM.)

(20KG BUCKET- BASED COAT FOR 2 LAYERS = 13 SQM.)



Completed Projects





SM MOA SKY GARDEN

Pasay City, Philippines



CHAVIT COLISEUM

Vigan, Philippines

 Portland
eco





SM CITY LA UNION

La Union, Philippines



DIAMOND ONE

Phnom Penh, Cambodia

 Portland
eco





PEKING JADE MANSION

Beijing, China



THE CUBE CONDO

Bangkok, Thailand

 Portland
eco



Thank you!



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