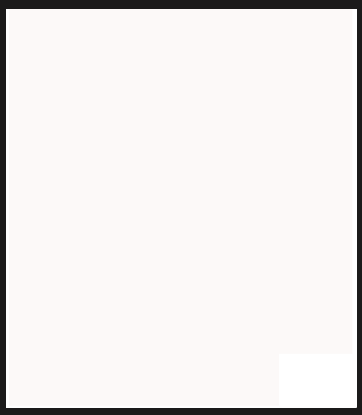
CEMHER



CONMARBLE
Earth, Lime & Clay
Plasters and Sustainable
Finishes

TECHNICAL DATA SHEET

CEMHER CLAYSTONE
CLAY PLASTER

TECHNICAL DATA SHEET DOCUMENT NUMBER | 20250301

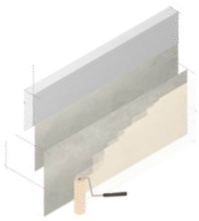
Walls & Ceilings | Eco-Luxury | Low VOC A+ Air | Ultra Durable | Flexible | Mould Resistant

Claystone is a premium, textured Mineral Venetian style plaster designed for internal walls and ceilings, bringing nature's raw beauty to interiors with a smooth, matte finish. Made from clay, limestone, and 100% natural materials, it creates a refined, stone-like texture for a serene, organic feel.

Hand-applied with a trowel, Claystone allows for a high-build, cloudy effect that feels earthy and authentic. Eco-friendly and zero-VOC, it's durable, breathable, and mould-resistant, enhancing indoor air quality. Available in a curated range of earthy hues, Claystone transforms spaces into tranquil, nature-inspired retreats.

Applications	Interiors walls, Interior Ceilings, Bathrooms (non-wet area)
Features & Benefits	Seamless Coating, Ultra Durable 40mpa, Water Resistant, High adhesion strength, Flexible & Crack Resistant, Mineral Aesthetic, Low Voc, A+ Air Quality Rating, 200mpa Surface Hardness
Product Origin	Valencia, Spain
Compliance Certification	UNE-EN 13813 CE
Pot Life Workability (20°C)	Approx. 60 minutes
Appearance	White Powder
Min Application Temperature	10 °C +
PH Range (+24hrs)	12ph
Shelf Life	1 year from date of manufacture
Tool Clean up	Wash tools with water immediately after use
Specification & Pricing	Specification & Pricing are available within Specification Guide
Product Catalogue	CEMHER Product Catalogues are available upon request
Colour Collection	CEMHER Colour Charts are available upon request

System Overview



Prepare Substrate to Specification
CEMHER Primer: 1 Coat
CEMHER Claystone: 2 Coats
CEMHER Sealer Aquapur20: 2 Coats

Product	Grain Thickness	Coverage
Claystone Plaster 10kg	0.5mm Per Coat	2m2/kg per coat
Mixing & Tinting		
Claystone Plaster 10kg	4L Total Liquid	Clean Water + Tint

Claystone 10kg requires 4L of total liquids (tint + Clean water) Mix 10kg of Claystone® powder with 4L total liquid (tint + clean water)

Subtract the tint volume (e.g., 200ml) from 4L to calculate the required water amount

Combine tint with water first, then add Claystone® and mix with a low-speed drill until smooth and homogeneous.

For Smaller Batches, mix 400ml of total liquid per 1kg of Claystone (tint + clean water)

Allow the mixture sit for 5 minutes to release any air bubbles before application.

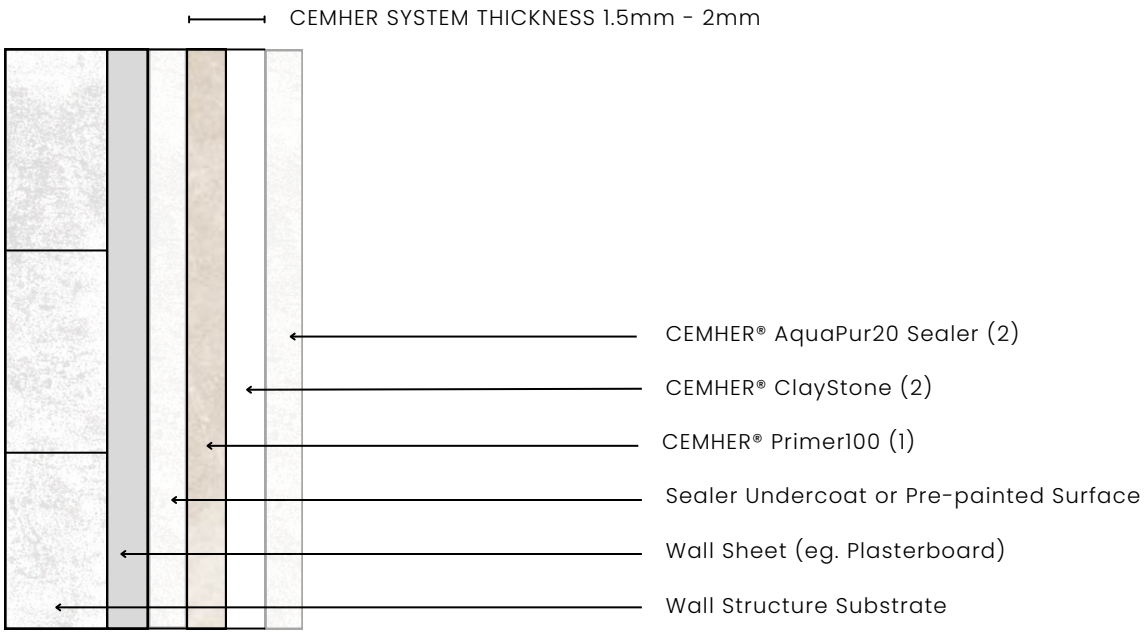
Substrate Guidelines	Always refer to the CEMHER Claystone Substrate Guidelines Documentation & Specifications
Application Guidelines	Always refer to the CEMHER claystone Application Guidelines Documentation
Care & Maintenance	Light use for the first 30days Clean with a damp cloth Do not clean with any cleaning products or chemicals Avoid permanent wetness. Avoid hitting or rubbing with hard objects.

Suitable Substrates	Gyprock/Plasterboard, Villaboard, FC, Render, Painted Surfaces, MDF & Pine, Other on advice
Substrate Requirements	Substrates must have a compressive strength of minimum 25N/mm2 and a tensile strength of 1.5N/mm. Substrates must be well consolidated and have a moisture content reading below 5%.
General Substrate Preparation	Ensure the surface is dry, clean, and free from dust, grease, or dirt. For painted surfaces, remove any flaking areas. Fill any joins, cracks to ensure the substrate is smooth flat & level Level and prepare the surface to enhance performance and reduce material Keep the surface free from water contact during & after installation. Allow 2mm height allowance for the final finish. Ensure render, concrete, or new screeds are fully dry (28 days) before applying. Refer to the CEMHER® claystone Substrate Guide for detailed requirements
Storage Conditions	Store in original closed container Store protected from weather Store at temperatures between 10°C - 30°C, Store in a cool, dry and well-ventilated place Store away from heat sources and direct sunlight
Safety Precautions	Follow the instructions in the safety data sheets. Good ventilation. Protective glasses & Rubber Gloves In case of contact with eyes, flush with water In case of contact with skin wash with soap and water. Do not swallow. In case of ingestion do not induce vomiting and seek medical attention immediately. Do not dilute with water. Dispose of in accordance with current legislation. Keep out of reach of children. Poisons Hotline Phone Number Australia: 13 11 26
Safety Data Sheets	It is the user's responsibility to comply with local Work Health & Safety (WHS) regulations, hazardous materials handling, and environmental guidelines. Individual Product Safety Data Sheets(SDS) are readily available via the following methods: • www.cemher.com.au • CEMHER Mobile app • CEMER Portal • Upon request to hello@cemher.com.au

CEMHER Primer100 Coats	Prepare the substrate according to substrate recommendations. Apply one coat of CEMHER Primer100 with a brush & roller Allow to dry before applying Claystone (4hrs)
Claystone Plaster Coats	Mix 10kg of Claystone with 4L of total Liquid (tint + water) or 400ml per 1kg of Claystone powder) until smooth and homogeneous. Apply the first coat of Claystone with a trowel. Allow the first coat to dry for 4 hours before proceeding. Sand any high spots using 120-grit sandpaper. Apply the second coat of Claystone Plaster Wait 24–48 hours for Claystone to fully dry (ensure moisture level is below 7%)
Sanding	Use a dustless sander with 120-grit Mirka sandpaper to sand between each coat and eliminate imperfections. Avoid using generic coloured sandpaper, as it may be incompatible with the claystone and could cause colour transfer or marking
Stain Resistant Sealer Coats	Wait a minimum 24-48hrs for Claystone® to fully dry/cure before sealing Once completely dry sand with a dustless sander with 120-grit Mirka sandpaper Apply the first coat of CEMHER Aquapur20 sealer evenly with a brush and roller and spread thin across the surface. Leave to dry for 12hours before applying the second and final sealer coat Do not use until sealers are fully cured (7days)
Curing Times	Always Adhere to dry time between coats Do not use until sealers are fully cured (7days) We recommend only light use for the first 28 days Ensure good airflow for proper drying and hardening Refer to the Care & Maintenance Guidelines

CEMHER® Claystone Test Report	Test Standard	Result
Determination of Emissions into Indoor Air UNE EN 16516:2018	UNI EN ISO 16000-6:2019	A+
Thermal Conductivity	UNI EN 12664:2002	Λ=0.46 (W/MK)
Reaction to Fire Classification 1* UNE EN 13501-1:2019	UNI EN 13501-1:2019	Class A1
Determination of Adhesion Strength UNE EN 13813:2014	UNI EN 13892-8:2003	>4 N\mm2 Class B 6,0
Impact Resistance UNE EN 13813:2014	UNI EN 6272-2:2012	>18.1 NM IR 24
Determination of Surface Hardness 1* UNE EN 13813:2014	UNI EN 13892-6:2003	>200 N/mm² (SH 200)
Determination of Compressive Strength UNE EN 13813:2014	UNI EN 13892-2:2005	>40 N\mm2 Class C80
Determination of Abrasion Resistance BCA 1* UNE EN 13813:2014	UNI EN 13892-4:2003	Class: AR 0.5 (Max 50 µm)
Depth of Water Penetration under Pressure UNE EN 14891:2017	UNI EN 12390-8:2020	5 BARS-3 DAYS Direct Pressure: No Penetration Indirect Pressure: No Humidity
Determination of Slip Resistance AS/NZS 4586	AS/NZS 4586	P4/P5* Sanding Dependent
Permeability to Liquid Water UNE EN 1504:2005	UNE EN ISO 1062-3:2008	<0.1 KG (M2*H 0.5)
Resistance to Severe Chemical Attack UNE EN 1504:2005	UNI EN 13529:2005	Class: II 28 Days without Pressure
Determination of the Transmission Properties of Water Vapors UNE EN 1504:2005	UNE EN ISO 7783-2:2012	Class: I Sd<5 m For Applications as Described in the TDS
Volatile Particle Emissions (VOC) ISO 11890-2: 2013	UNE EN ISO 11890-2: 2013	Emissions = 0 (Zero) (<30 Classification)

Technical Drawing	CEMHER ClayStone Internal Wall System



Technical Drawing Title	CEMHER ClayStone Internal Wall System Internal Wall Finish Section Detail
Technical Drawing Number	20250301
Drawing Date	01.02.2025

Precautions & Limitations	This Technical Data Sheet (TDS) should be read in conjunction with the CEMHER Installation Guide and Specification Manual. Colour variations may occur due to substrate absorption, drying conditions, lighting, tinting and raw material differences. Environmental & Application Conditions. CEMHER does not guarantee exact colour consistency due to natural variations in raw materials, environmental exposure, and ageing over time. Colour shifts may occur due to UV exposure, surface conditions, or improper maintenance. Do not apply if: ◦ Relative Humidity (RH) exceeds 85%. ◦ Surface temperature is below 10°C or above 40°C. ◦ Temperature is within 3°C of the dew point. Allow additional drying time in cool, humid, or low-ventilation conditions. Avoid application in direct sunlight, high winds, or extreme heat. Avoid contact with water & High Humidity environments.
System Performance	Spread rates may vary due to substrate porosity, surface texture, and application technique. Use pH-neutral cleaners and avoid abrasive scrubbing to prevent damage to the sealed surface. Follow to the CEMHER Care & Maintenance Guidelines for detailed cleaning and maintenance recommendations.
Applicator & User Responsibility	Applicators and contractors operate as independent entities, and CEMHER accepts no liability for improper application, negligence, or failure to follow correct procedures.
Disclaimer	This Technical Data Sheet (TDS) is the property of CEMHER and may not be modified, altered, or reproduced without written consent from CEMHER. This document provides guidance based on rigorous testing by KILNHER and accredited laboratories. CEMHER products perform as specified when applied in strict accordance with the latest TDS, supplier product installation procedures, and substrate preparation guidelines. This TDS does not guarantee that a product or product system is suitable for all projects or site conditions. Product performance is dependent on factors including: • Substrate condition and compatibility • Proper application by a qualified and experienced applicator • Compliance with Australian Building Codes and relevant standards • Environmental and climatic conditions at the time of application CEMHER is not liable for substrates that fail to meet specified compatibility, suitability, or compliance requirements. Last Updated: 19/01/2025