Clayworks



Interior Smooth finish

Clayworks Smooth Finish is a natural clay plaster, offering a refined, quietly textured surface with a soft sheen and subtle tonal variation. The natural qualities of clay bring warmth and tactility, with a quiet depth that enhances interior space. Calm and understated, the finish can serve as a minimalist backdrop or a defining surface in its own right.

This finish is breathable, non-toxic, and contributes to healthier indoor environments. Its ability to regulate humidity and soften acoustics complements its aesthetic qualities, making it both a practical and beautiful choice for interior surfaces.

info@clay-works.com | www.clay-works.com | +44 (0)1326 341 339
Higher Bochym Workshops, Cury Cross Lanes, Helston, Cornwall, TR12 7AZ, UK

Interior Smooth finish

Intended Design Use

- Intended for considered interior environments
- Well suited to the majority of interior spaces when detailing, junctions, and patterns of use are thoughtfully resolved
- Naturally bound using unfired clay rather than chemical or plastic binders
- Breathable and responsive to its environment
- Performance achieved through design intent and environmental control, rather than surface hardness

Intended Use & Limitations

- Suitable for interior walls and ceilings in controlled interior environments.
- Appropriate for bathrooms and kitchens, but not for wet or shower areas, and not for areas in direct contact with oils and fats such as cooking splash zones.
- Not suitable for floors, standard doors, or elements subject to frequent movement.
- Our Finishes are not suitable for application onto horizontal surfaces, such as worktops, counters, shelves or wall caps.

Application & Substrates

Application: Use of a Clayworks Approved Applicator is strongly recommended. All Custom Finishes must be installed by an Approved Applicator.

Application Requirement:
Standard finishes: Professional Application
Custom finishes: Specialist Application

Coverage: 10m2 per 25kg bag with 2 x 1mm layers

Thickness: Top coat 2mm nominal

Approximate Drying time: 23 hrs

Substrates: Refer to the *Clayworks Design Details* datasheet for full substrate guidance.

Maintenance & Repair

Maintenance: When glazed, surfaces may be wiped clean using a non-toxic cleaner.

Repair: Repairs should be carried out by a suitably trained professional to reinstate colour, texture, and surface continuity.

Product Information

Composition: Unfired clays with natural minerals and pigments

Supply: 25kg bags

Country of Origin: UK (Cornwall)

Colours: 89 standard colours + custom matching

Material Warranty: 10 years manufacturer's warranty (subject to correct detailing, application, and maintenance)

Life Expectancy: 60 years (subject to correct detailing, application, and maintenance)

Performance Data

Fire: Euroclass A1 Fire Rating to EN 13501 and EN 15824 international standards. ASTM E84 - Standard Test Method for Surface Burning Characteristics of Building Materials.

Acoustics: Noise Reduction Coefficient (NRC): 0.10 NRC Sound Absorption Coefficient: 0.090N

Density Applied: 1270 g/l kg/m3 Thickness (mm) 2mm kg/ m² 2.5

Density Dried: low g/L 1137.581, high g/L 1573.407

Impact: BS EN 520 – Impact Diameter < 15mm.

Thermal Conductivity: 0.84 W/mK

Moisture Buffer Value : 1.28

Light Reflective Value: LRV varies with colour and finish. Where LRV is required for a project, a measured value for the specified colour and finish should be established.

Sustainability & Human Health

Breathability: A breathable and hygroscopic material, clay plaster is one of the best building materials for maintaining relative humidity within the 'optimum zone' of 40-60%. A passive regulator of interior humidity.

Toxicity: Non-toxic and inert

VOCs: Trace VOCs

Embodied Carbon: GWP-total for modules A1-A3 is 0.106 kg CO_2e per kg of packaged, non-pigmented Smooth clay plaster. Refer to the product-specific EPD for scope and life-cycle results. Product and packaging are fully compostable at all stages of lifecycle.

End of Life: Reusable or returnable to earth once dried

Contains no asbestos, lead, PCBs, mercury, PFCs, flame retardants, phthalates, isocyanates, or formaldehydes.

Certifications & Reports

- Fire Reports (EN & ASTM)
- Indoor Air Comfort GOLD (CDPH)
- LEED, BREEAM, WELL attestations
- Health Product Declaration (HPD)
- Environmental Product Declaration (EPD)

Health & Safety

As a powdered product, appropriate dust control measures should be taken during handling and mixing. A suitable dust mask should be worn. The product is non-caustic and non-toxic.

Storage

Store unopened bags in a dry, frost-free environment. Do not pierce bags. Once opened, unused material should be sealed in airtight containers and stored dry for future use.

Disposal

Unused material may be retained for future repairs or reuse. Once dried, the plaster can be safely returned to the earth. Packaging should be disposed of in accordance with local waste regulations.