



Shikkui Surface Coatings are versatile natural lime plasters covering a wide range of applications and surface effects.

Material Composition

All Shikkui finishes are based on matured hydrated lime and calcium carbonate powder – all derived from pure white Kansui Marble, which we have been mining and using for Shikkui plaster production in Japan for generations.

Suitable Substrates

Shikkui finishes can be installed on nearly any substrate, provided that it is properly cleaned and stable. Please see page 2 for examples of application on most common substrates.

General Application Guidelines

A clean and dry substrate is sealed to avoid issues concerned with fast water absorption by the wall surface. In case of uneven substrate, cement mortar is recommended to level out the surface. A fine skim coat is then applied to ensure a strong bond to the finish coat. It is followed by a finish coat. A water-repellent top coat is recommended for exteriors and wet location to protect finish surface from repeated contact with water and ensure a long-lasting anti-efflorescence protection for finish colors. Please see page 2 for more details for each substrate and finish.

Suitable Tools

Shikkui finishes are applied by a stainless steel trowel, roller, airless sprayer Graco (medium to large-sized models, tip size: 535), hopper-gun sprayer, spatula. For particular application techniques for each finish please refer to Data Sheets or ask us for clarification and tips.

Commitment to Sustainability and Human Health

Neither material composition nor human safety are compromised with our materials, which received Cradle to Cradle Certification at Silver level for environmentally-conscious design and human health in mind. Independent testing performed according to international ASTM standards support the claimed material properties.

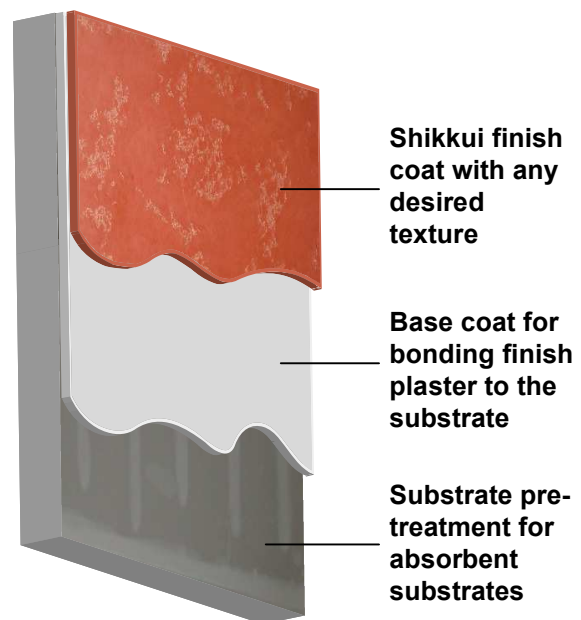
Please see individual Data Sheets of our products and Environmental Data Sheet for details.

Optimized Application System

We developed and optimized our plaster system in the way to ensure only high-quality natural and safe materials, advanced workability, simplified application steps, no maintenance for years and a stunning range of design-oriented textures and surface effects. The Shikkui system, thus, allows major costs savings related to labor and maintenance, while providing a wide choice of materials to work with. As an example, highly-polished surfaces can be achieved in 1-2 coats in short time without sanding. Our proprietary pigmentation system allows to achieve finish colors with 20-40% in weight of color pigments with easy-to-mix properties. Texture and color customizations are also available upon request.

At least a basic training is highly recommended for experienced plaster applicators to ensure good basic understanding of the material and proper installation.

Please refer to page 2 of this document, as well as Data Sheet of particular products for details on application.



Product Quality

We designed our surface coatings to last, and provide a 10-year limited manufacturer's warranty on material performance.

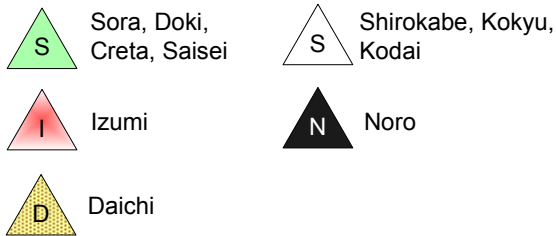




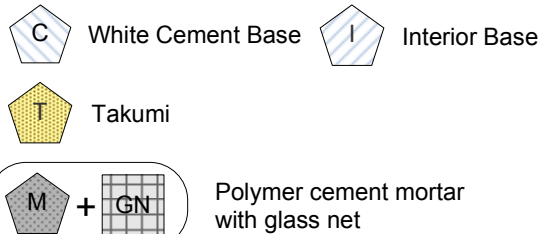
Below are general guidelines to Shikkui plaster system. Please refer to Product Data Sheets for details on application.

	Substrate type	Surface preparation	Base coat	Finish coat
Exterior	Wooden surface	Waterproofing/felt paper layer + metal lathe coated with polymer cement mortar mixed with powdered Styrofoam ¹	C	(S + Oil) → T
	Masonry	S → M	C	S → T
	ICF panels	(M + GN) → S	C	I → T → W
Interior	Drywall ²	S	I or T	S
	Plywood / OSB	S	I ³ or I ³ → T	S
	Concrete / mortar	S or S → M ⁴	C or T	D or N
	ICF panels	(M + GN) → S	C or T	I → W
	High humidity locations ⁵	S or S → M ⁴	C	The same as for Exterior. Oil Shikkui Oil can be added into finish coats (except Izumi) for additional water-repellent protection.

Finish coats



Base / skim coats



NOTES

- 1 Thickness depends on national/local regulations concerning fire protection
- 2 Perform standard joint treatment. Double layer of drywall is recommended.
- 3 Mix with Shikkui Sealer and apply at approximately 1 mm surface thickness
- 4 Use to flatten out uneven substrate surface, in order to achieve flat / smooth finish.
- 5 Such as bathrooms

Additives and coatings



Detailed reference to Application Scheme

Finish coats *



Sora – universal fine lime plasters. Can be applied with spraying machine, roller or trowel. Advanced workability, various texture effects and optional aggregates. Ideal for large-scale commercial and residential projects.

Doki – lime plaster containing light-weighted sand, cement and aggregates, which allow for natural relief or 3D surfaces.

Creta – lime plaster with large-sized marble sand creating relief textures.

Saisei – lime plaster containing 50% reprocessed eggshells – recycled and rapidly-renewable source of calcium carbonate.



Shirokabe – traditional Japanese Shikkui lime plaster. Rich in plant fiber, highly durable and allows to easily reach highly polished surface. For smooth exterior and interior surfaces.

Kokyu – modern version of traditional Japanese Shikkui lime plasters, containing pulp fiber. Advanced workability, best suited for interior applications with white or mild-toned polished surfaces.

Kodai – most durable Shikkui plaster for exterior projects with long plant fiber, soybean oil.



Noro – finish coat rich in color (40% in weight of color pigment). Matte texture.



Daichi – highly humidity-regulating mineral plaster with large-grained Diatomaceous Earth for interiors with a relief surface.



Izumi – finest mineral Venetian plaster. Applied by trowel, spatula or spraying machine.

* all lime plasters are Cradle to Cradle Certified (Silver) and tested according to ASTM standards

Base / skim coats



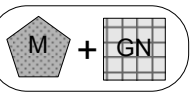
White Cement Base (WCB) – fine sprayable base/skim coat with pure white cement and marble powder. Forms a strong bond for finish coat on masonry, concrete and ICF panels. Both for interiors and exteriors.



Interior Base – fine sprayable base/fine coat with fine gypsum and marble powder. Forms a strong bond for finish on gypsum-based drywall and plywood. Only interior application.



Takumi – base coat rich with high-grade Diatomaceous Earth that provides high humidity-control performance under any Shikkui finish.



Polymer Cement Mortar (M) covering **Glass Net** for reinforcing ICF panels or other non-solid and possibly unstable surface, as well as for reducing structural movements. Any locally available polymer cement mortar and glass net can be used.

Additives and coatings



Shikkui Sealer – acrylic polymer used for surface preparation. Its main function is to control water absorption. 0 VOC.



Shikkui Oil – natural soybean oil as waterproofing additive. Added into finish coats to protect them in high-humidity environments.



Topcoat SA – silicone-modified acrylic coating with advanced anti-weathering properties. Applied on top of finish coats of exterior walls to protect them from direct water / rain exposure, as well as from efflorescence.



Wax – polished waxes for high-gloss and water-repellence for Stucco Veneziano textures of Izumi. Tintable. Available in zero-VOC and low-VOC versions, depending on desired surface effect.

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Revised: 01 Mar 2012