

Formaldehyde Emission Grade
F☆☆☆☆
NSK-0305339

JIS A 6909
Multi-Layer Coating Material E

KIKUSUI TILE EMALUNA is textured (凹凸) paint by use of a tile gun .

PROPERTY

1. Easy application

It is easy to apply and creates a firm finish.

2. Economic material

It is truly a reasonable and versatile product.

USE

Housing, condominium, store, office and other ordinary buildings of exterior and interior finish.

SUITABLE SURFACE

concrete, cement mortar, and etc.

*surface preparation will be necessary by the wall surface.

STANDARD WORK SPECIFICATION

Process	Material / Preparation	Tools / Conditions	Coats	Time Interval (23°C)	Required Quantity
Surface Preparation	The surface must be a dry and clean surface by removing any dirt, unhardened cement powder, dust, oily matter and other attachments by using wire brushes, scraper, sandpaper, waste cloth, and etc.				
Undercoating	In accordance with technical data of under coating materials				
Main coating	KIKUSUI TILE EMALUNA Main: 20kg Clean Water: 0~0.4 L	Tile gun Caliber: 6~8mm Pressure: 0.2~0.3MPa	1	More than 24 hours	12~15m ² /20kg 1.3~1.7kg/m ²
Top coating	Refer to all kinds of top coating materials.				

*1. Above figures are all standard. Ranges will slightly vary as per application methods and conditions.

*2. Refer to back page for JIS certified specification.

KIKUSUI TILE EMALUNA

PACKAGE

MAIN NET 20kg/CAN

SPECIFICATION OF JIS A 6099 (ARCHITECTURAL FINISH COATING MATERIAL)

Name		Main	Undercoating	Top Coating
Finish coating material for Multi-layer coating system	Multi-layer Coating E	KIKUSUI TILE EMALUNA	KIKUSUI PRIMER SUPER E KIKUSUI PERMEABLE PRIMER E KIKUSUI PERMEABLE PRIMER WE KIKUSUI SP POWER SEALER KIKUSUI PRIMER BANNNO SP KIKUUI PERMEABLE PRIMER SP	VIEW TOP ACRYL VIET TOP URETHANE VIEW TOP SILICONE VIEWTOP FUSOSS FINECOAT SILICONE FINECOAT SILICONE (HIGH REFLECTANT) FINECOAT FUSOSS FINECOAT FUSOSS DX

PRECAUTIONS (FINISH COATING)

【PRECAUTIONS FOR CONSTRUCTION】

○Please have the substrate dried thoroughly. Water content under 10%, pH level below 10)○When there are mold or fungus, use “KS CLEANER” as chlorine bleach to disinfect. ○When there are heavy stains, overlay after using “SHIMINAITO” (water-based white primer to prevent stains) as an undercoating to stop stains from bleeding.○Use “KIKUSUI PERMEABLE PRIMER E” or “KIKUSUI SP POWER SEALER” for defective old coating films on the concrete base or absorbent concrete base after removing defective coating films○Clean up contaminant by a clean cloth with water and make the surface dry by wiping with a dry cloth. For heavy dirt, wipe it with watered-down neutral detergent.○Use“KIKUSUI PRIMER EPW” or “KIKUSUI SP POWER SEALER” as an undercoating to the pre-cast cement panel, GRC panel or calcium silicate board. ○If ALC or concrete have pin-holes or roughness, use cement based surface conditioner “BR#15” to level the surface. ○Inquire to us in case of application of special specification like inorganic paint, or on special substrate. ○Do not paint rubber packing, stuff containing plasticizer or sealing material due to contamination of coating film and peelings would occur.○Do not paint fabric cloth, paper cloth and stain-proof cloth due to peelings might occur.○Inquire to Kikusui when applying on material subject to heat rerve (light-weight mortar, ALC, siding board, material with urethane foam) because it might cause deformation of material, peeling and blistering of paint film by combination with some condition like effect by heat-reserve or water, condition of substrate, environment of paint application. ○Cracking and peeling are anticipated in case of application on substrate that movement is anticipated. ○Make sure to use an elastic top coating material for the substrate coated with an elastic paint.○Blushing might appear on the surface of coating film by atmospheric moisture (high humidity, condensation, rainfall) during drying period. Do not apply when there is a risk that the temperature will drop below 5℃ or the relative humidity will be above 85% and, thus, condensation will be estimated. Please refrain from applying under conditions of low temperature and high humidity since it dries slow. ○Please refrain from applying on the exterior when it is raining, snowing, or has anticipation of these happening, and when there is strong wind. ○Do not paint the area where condensation constantly happens.○Be sure to give appropriate curing to prevent intense temperature rise of surface of substrate under direct sunlight. ○Undertake construction at the place with good ventilation condition.○Fully cover the place to not splash the paint during the construction. ○Cover application and adjacent area not to damage or contaminant the floor, cars or other equipment. ○Give appropriate sheet cover to prevent touch water on painted surface when rainfall is anticipated during drying period. ○To be made uniform by means of a hand mixer before using the products. ○Use 2 pack reactive material by mixing main and hardener with specified mixing ratio and mix with hand mixer. In case of using in subdivision use weigh measure.○Determine the dilution rate of material from a given amount and observe a given coverage after test coating. Excess/lack of dilution would cause sagging, low hiding power, and unevenness of paint. ○Observe coated paint weights and time intervals by following the standard work specification and ensure the appropriate coverage during the construction. ○When deciding on the color and appearance, confirm the coating samples in advance. ○The different gloss might be produced, due to the shape of item, thickness of the film, number of coats, and dilution rate. Unevenness of gross tends to happen at the joint between paints by a brush or roller. Especially when using the adjustable gloss products, due to the shape of item, substrate condition, the thickness of film, color, number of coat, the slight difference of gloss might be produced. Make sure to apply after test coating.○Make the same pattern as an existing coating to fill in the peeling points.○When applying by a roller, the joints between paints should be line up in one direction. The different color or finish might be produced depending on joints between paints by a roller. ○In case of touching up for damage or defect, reserve the paint used for touching up and repair with the same paint, the same lot and by the same method. Regarding deep colors, the color difference might be produced due to the shape of item, thickness of the film, color, number of coats and drying time. Make sure to apply after test coating.○Do not mix with other materials.○Make sure to use a fiber brush and avoid using an animal-hair brush when dealing with water-based paint. An animal-hair brush becomes solid and causes troubles during construction.○Use woven roller when bubble occurs by painting water-based top coating by high pile roller.○Thoroughly wash a brush or roller after use.○Be careful with fire when handling solvent-based product and observe fire safety laws and Industrial Safety and Health Laws.○Adjustable gloss products tend to be uneven by applying with a brush or roller so that air-less splay is recommended○Adjustable gloss products should be well-mixed with a hand mixer due to they are easy to be separated.○A slight color difference occurs by applying with several tools, such as a brush, roller and spray. Please adjust dilution rate as one of measures.○Colors close to the deep or primary colors might be lost by strongly rubbing the paint film. Avoid the place where might be touched by clothing when painting. Apply a clear to protect the film.○When painting with bright colors such as yellow, blue and glean, in order to improve thehiding property, paint with the same color of middle coating in advance. ○Mixed products for later use, the color might be changed. Use the mixed products in a day.○An antifungal/anti-algae effect is to suppress the growth. It would not fully affect depending on the shape of materials, structures, or environment. Yet, when there are funguses/molds already, remove or disinfect them as surface treatment.○Stain resistant property might not perform well depending on construction part where little rain touch, or parts such as bottom end of inclined wall, no drainer, insufficient drain around window parts. ○Gloss loss, cracking, color change might occurs when paint surface touches water for long time during drying period after application. And , regarding matt or deep color products, gloss, blushing or bleeding of paint ingredients might occur under high humidity condition.○Use “ non-bleed type” of sealant without plasticizer. Paint film might adhere depending on types or ages after application in case painting directly on sealant. Inquire Kikusui for detail.○Color change or melting might occur if acid for washing porcelain tiles touch the surface. Be sure to give masking /cover when touch of acid is anticipated on the paint surface. ○Do not store materials at temperature below 0℃ and under direct sunlight.○According to Japanese industrial standards (JIS) A 6909 such as multi-layer coating material, hen the under coating material, main material and top coating material are not from the same manufacturer, they are not regarded as JIS standard products.

【PRECAUTIONS FOR HEALTH AND SAFETY】

●For detailed general precautions about material handling, please refer to the MSDS (Material Safety Data Sheet). ●Wash hands and rinse out mouth after handling the product. ●Please wear appropriate protection glasses, protective gloves and a dust/gas mask. ●Use application tools that don't spark. ●Work only outdoors or good ventilated rooms, and ensure to keep fire away. ●Avoid leave the product outside unless it is necessary. ●Mix materials with an explosion-proof mixer. Ensure to pull out the grounding wire. ●In case of fire, extinguish the flame with carbon dioxide gas, dry chemical, or foam of fire extinguishers. ●In case of contact with eyes, rinse with water immediately and seek medical advice. ●In case of ingestion by chance, immediately seek medical advice. ●Epoxy resin based materials might cause a rash of the skin when it touches. Make sure to be careful with skin contact. ●Wash away with soap and plenty of water after skin contact. When a rash or other problems occur, consult a doctor. ●If inhaled, keep at rest and seek medical advice depending on the situation. ●For safekeeping after use, keep container tightly closed without dilution and store at less than 40℃. Make sure to use as soon as possible. ●Store in a well-ventilated place and block out the sun light ●Keep away from flame and ignition sources such as heat, sparks and high temperature elements around storage and handling space while painting and drying. Make sure to be careful with inflammable evaporation due to the area of evaporation spreads while drying and store in accordance with local regulations. ●Do not handle or store the product on the electrical insulation floor composed of synthetic resin, and please wear electrically conductive shoes or antistatic clothing. ●Keep out of reach of children. ●When disposing the coating material or the cloth with splashes of paint, remove as industrial wastes by following the low. ●Keep it away that the washing water of a tool flows into a river and soak in the ground. Dispose as industrial wastes by following the related lows.

For safe application: Follow precautions indicated on the package of each product in dealing with products on this catalog. Especially, read cautions well in using flammable or harmful products. For more information, refer to the Material Safety Data Sheet (MSDS).