

Technological instruction No. 05-003

GAMADEKOR® FS1

Catalogue No.: 600300

GAMADEKOR® FS1 is water soluble filled organic colour with increased content of fillers.

ČSN EN
ISO
14001

ČSN EN
ISO
9001



CHARACTERISTICS

Application It serves for final surface treatment of renders in exterior and interior, of polymer-cement backfillings, plaster boards and cement-fibre boards.

Characteristics On surfaces of the mentioned materials it creates a coating with variable thickness from 0.1 to 0.8 mm with structure similar to terry knitwork, respectively a structure of sprayed fine grain render. The hardened film is long term resistant to effects of climatic and ultra-violet radiance influences. The formed surface can be washed in place of pollution by water stream, the cleaning with use of common cleaning agents is eventually possible (brush, tepid soap water with detergents). GAMADEKOR® FS1 is delivered in reduced scale of tints (see the current colour card).

Appearance dim

TECHNICAL DATA

Criterion	Standard/test regulation	Value/Unit	Notes
Density	EN ISO 2811	1.4 - 1.8 g/cm ³	
Equivalent diffusion thickness of the air coat	EN ISO 7783-2	0.05 m	
Water vapour diffusion resistance factor μ	EN ISO 7783-2	170	
Water permeability rate w	EN 1062-1	0.16 kg/m ² .h ^{0.5}	
Dry layer thickness	EN 1062-1	0.3 mm	
Grain size	EN 1062-1	0.8 mm	S ₃ rough

The specified characteristic parameters are average values. Due to the use of natural raw materials in our products, the specified values may insignificantly differ in individual deliveries. This, however, does not compromise suitability and reliability of our products.

SUBSTRATE

Requirements The base must be solid, dry, consistent, dust and grease free. It can be moist but not wet. Renders and concrete must be quality and matured (min. 28 days). Damaged places must be removed and repaired, eventually reground. Also previous lime or glue paints must be removed by regrating. Any bases with supposed humidity increase must be frostproof.

Preparation of the material Coherent, repaired and smoothed bases are impregnated by water solution of the EH penetration coating in exterior. Common interior bases are impregnated by water solution of the NL penetration coating (in case of absorbent, exposed bases and bases containing organic substances the water solution of the EH penetration coating is used). With smooth and not absorbent bases an adhesive coating by the HC-4 primer in particular tint is made instead of the impregnation.

The colour is possible to be applied after complete drying of penetration or base paint depending on the climatic conditions - 4 hours minimally, at temperatures lower than +10 °C and high relative humidity even 24 hours.

APPLICATION

Climatic conditions during application	Range of working temperatures is from +5 °C to +30 °C (both, the air and the base too). The applied material must be secured against frost and rain up to complete drying (at temperatures under +10 °C and high relative humidity it takes even 72 hours).
Preparation of the material	Before use the colour is mixed in the packaging, or a suitable tank or in a clean mixer. It is applied in supplied consistency, eventually it is thinned by adding of max. 5 % of drinking water. However, keeping stable consistency of the colour for complete construction or particular sections (one wall etc.) is essential. Thinning is not recommended for the last layer of paint. Mixing of any other additives is prohibited. Any contact of colour with corroding materials must be excluded.
Consumption	(kg/m ²) GAMADEKOR® FS1: 1.2-1.8 (2 coats)
Spreading capacity	17,9 m ² / bucket (24 kg) – 2 layers
Composition of surface treatment	Penetration varnish: Depending on the kind and condition of the foundation Intermediate coat: GAMADEKOR® FS1 Final surface treatment: GAMADEKOR® FS1
Application	GAMADEKOR® FS1 is applied by membered PUR rolls, air spraying device with air consumption of 300 l/min. at pressure of 0.2 to 0.6 MPa or by spraying applicator without air for materials with content of abrasive fillers. A nozzle with minimal diameter of 3 mm is recommended for spraying. The spray is realised by common cross manner in order to reach a balanced engraining of the base. At spraying of base with membered surface it is recommended to apply the colour in two or more layers in order to reach even structure and overall covering. The spraying of GAMADEKOR® FS1 should be done from suspended bench or hydraulic service floors. At spraying or painting from scaffold a copying of particular members of scaffold might occur if realised in not professional manner. For perfect realisation of spraying the spraying gun must be led vertically to the base. The second spraying or paint can be done after total drying of the previous layer, i.e. after 4 to 6 hours (this period must be modified according to the climatic conditions - at temperatures under +10 °C and high relative humidity the material is totally dry after even 24 hours). Attention should be paid in order to prevent cracks of surface due to excessive thickness of one layer. Maximal thickness of one layer is 0.5 mm. For complete areas material of the same batch should be used. If more batches are to be processed they must be mixed together and uniformly thinned. To maintain stable consistency of colour for compact surfaces is essential. Complete areas must be done at once with sufficient and trained staff. If it is not possible, the area should be conveniently divided with taking into account possible deviations. Adjacent surfaces (windows, doors, banisters, switchgear boxes etc) must be protected against pollution by a suitable foil, tapes etc. Any polluted area must be cleaned in time because removal of dried material is difficult.
Drying, curing, revision time	The drying time depends on the temperature, strength of wind and relative humidity. Adverse conditions slow the drying process down. On principle, protective measures must be taken (e.g. protection against rain, protection against sun by shading) on the worked or just finished surface under adverse conditions. At an air temperature of +20 °C and relative air humidity re-work is possible not earlier than after 6 hours.
Cleaning tools	Immediately after use clean with water.
Instructions, recommendations, specialties, other	When used for airless paint spraying, it is necessary to use a sufficiently proportioned suction branch and check pipe bends of the device, since this colour might cause problems during the conveyance of material.

DELIVERY

Colour hue	white, tintable Stability of the colour tone: The surface may change over time when exposed to natural weather conditions, humidity, UV light, or deposits. This may result in a colour change. In fact, it is a dynamic process that is influenced by the weather conditions and exposure of the surface. For intensive and/or very dark shades, it is suggested to improve colour stability by applying an additional coat. Breakage of the filling: When a coat surface is exposed to mechanical stress, there may be changes to a colour shade on the affected areas, particularly with dark, intensive colour shades. Such areas become slightly lighter, due to damage of the filling or pigment abrasion. This, however, does not affect quality and functionality of the product.
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Colour shade accuracy:

On the basis of chemical and/or physical binding processes and in varying climatic and exposure conditions, no guarantee of accuracy and evenness of colour shade can be given, particularly with:

- irregular absorption of the foundation
- irregular humidity of the foundation
- partially considerably different alkalinity of the substances contained in the foundation
- direct exposure to sunlight with strongly limited shade formation on a freshly applied area

Tintable	full colour scale except tints of group b
Potential special setting	A preserving agent and agent protecting against fungi and algae are added already during production. A preventive and prolonged effect is achieved. A permanent protection against algae and fungi can't be guaranteed.
Packing	The product is packed in 5 kg, 14 kg or 24 kg plastic portable buckets.

STORAGE

Storage	When storing in the tightly closed original packaging, the warranty period is 12 months since the production date. Protect the product against frost and do not store it at sunlit places.
Storage period	12 months since the production date.
Ecology	Liquidation of not used remains is done by watering and depositing of the hardened inert substance as a building waste. Used packaging is liquidated as composite waste according to the valid legislation.

IDENTIFICATION

Product group	facade paint
Composition	polymer binding substances, pigments, fillers, modifying additives
Safety	Not mentioned anymore. Hazard determining components: Not stated. Additional information: Contains 5-chloro-2-methyl-2H-isothiazol-3-one a 2-methyl-2H-isothiazol-3-one. May produce an allergic reaction. VOC: Product category A, product subcategories a. The maximum permissible limit VOC content in the product ready to use is 30 g/l mass. Maximum VOC content in the product ready to use is 1.32 g/l mass.

SPECIAL INFORMATION

Regarding orders, transport, handling and storing, general sales conditions are applicable. Usage of the product is described in relevant technological sheet. Respect safety sheet instructions. The prescription is available at authorized dealers and on the address **www.stomix.com**.

The information provided takes in account the current status of the technology. We give general instructions based on our experience with application and results of the material tests. However, the information provided can't take into account the local conditions during the application, therefore, it can't be legally binding. In case of doubts or need to solve specific technical problems, please contact us.



WWW link