

GamaCOLOR S

Technological instructions no. 20-10

Safety sheet no.

20d

Composition

polymer binding substances, pigments, modifying additives, fillers, biocide agents (protection against moulds, fungi and algae)

General description

GamaCOLOR S is water soluble acrylate colour. It serves for final surface treatment of concrete surfaces, cement, polymer-cement renders and backfilling in exterior and interior and lightly loadable concrete and self-levelling floorings in interior.

Merits

On surfaces of the mentioned materials creates fine, dim coating with thickness to 0,3 mm. It protects concrete surface against carbonation by air CO₂, water leakage and loess. The hardened film shows high flexibility. 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). GamaCOLOR S is delivered in 5 tints - green, grey, blue, beige and russet.

Unit of measure

kg

Consumption per m²

0,4 to 0,6 kg/m² (2 layers)

Spreading capacity

80

Grain size

not mentioned

Packing

The product is packed in 5 kg, 15 kg or 25 kg plastic portable buckets.

Customs code

3209100000

Colour scheme

five tints (green, grey, blue, beige, russet)

Thinning

Consistency can be adapted by adding of max. 5 % of drinking water.

Bases

The base must be solid, dry, consistent, dust and grease free. 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. Smooth and not absorbent bases can be coated by the HC-4 base paint in particular tint.

Warning

The mentioned information are compiled upon current status of technique. They represent general instructions upon our application experience and material test results. However they cannot include local conditions at its application and due to this any legal liability cannot be deduced from them. In doubt or need of solution of specific technical questions please contact us.

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 stabile 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.

Workability period

not mentioned

Description of application

GamaCOLOR S is applied onto a prepared base by brush, fine moltopren or felt roll or by pressure applicator without air. It is recommended to realise the application minimally in two paints or sprays. The spray is realised by common cross manner in order to reach a balanced engraving 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 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 stabile 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, removable or protective paints etc. Any polluted area must be cleaned in time because removal of dried material is difficult.

Flatness requirements

not mentioned

Climatic conditions during application

The work may not be done under rain, fog, strong wind nor to directly sunlit surfaces. Range of working temperatures is from +5 to +30 °C (both, the air and the base too). The applied material must be secured against frost and rain influences up to complete drying.

Requirements for base maturation

Renders and concrete must be matured for minimally 28 days.

Security (R-theorems)

R/52/53 Harmful for aquatic life, it may cause long-term unfavourable effects in water environment

Safety regulations

GamaCOLOR S is not a flammable liquid in the sense of the ČSN 65 0201 standard. It does not contain any toxic organic solvents. GamaCOLOR S is not classified as a dangerous substance (preparation) in the sense of the Act no. 356/2003 Coll. as amended).

First aid

Protect your eyes and skin against stain, do not eat, smoke nor drink during the work. After the work wash your hands with water and soap and apply and reparation cream. If your eyes are hit, rinse them with water minimally for 15 minutes. If consumed immediately rinse mouth, drink minimally 0,5 l of water, do not invoke vomiting and always seek medical help.

Recommended tools

felt or moltopren roll, brush or pressure spraying applicator without air

Quality

The product is certified for the mentioned use and tested by accredited testing laboratory. At production the product is controlled by the company laboratory subject to the certified quality management system subject to the ČSN EN ISO 9001 standard.

Storage

The product must be stored in original packing protected against humidity, direct sunlight under temperatures minimally +5 °C. Under the mentioned conditions is the storage life 6 months from the production date. Production date is marked on the packing.

Liquidation

Liquidation of not usable remains is done by avoidance of access of air and after drying it is liquidated as building waste. Used packaging is liquidated as other waste according to the valid legislation.



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