

Product Information

ALGT Stone Coating 704-5

ALGT Stone Coating 704-5 is a **100% solid clear coat formulation** for mineral surfaces like concrete, plaster, natural stone (granite, slate, basalt, sandstone, limestone), roof tiles, clinker and other absorbent substrates. Examples for use are concrete walls and facades, unglazed roof tiles and flag stone. The treated surface shows an easy-to-clean-effect. The penetration of water, soot, coffee, cola, ketchup, red wine is reduced, but also the penetration of grill fat, fuel and waste oil and dry soil into the surface and can be very easily removed. **The curing process is at room temperature and it leads to a dust dry surface just in some few minutes.**

General data*:

Active agent	Inorganic-organic hybrid formulation
Colour (solution)	white-translucent, light yellow
Viscosity (2mm flowing Cup)	< 100 s
Solid content	~100 %wt
Solubility	Ready-to-use. <u>Not soluble in water.</u> Dilution with alcohol is possible. However the appropriate solutions must be examined for storage stability.
Handling	Refer to safety data sheet. We recommend the use of rubber gloves and a protective mask in particularly for spray application (e.g. full mask No. 6800S with the particle filter P3 No. 5935 and the active filter cartridge protection stage A2 No. 06915, offered by 3M). Good ventilation is to be provided during processing. Ignition sources have to be kept away. After skin contact a washing with water and soap is necessary.
Stability	Min. 1 months (storage temperature +5°C to +25°C, store tightly closed and protect of direct sunlight and frost). In case of sedimentation please shake well before use! The expiration date of each batch is shown on the product label. Storage beyond the specified period also does not necessarily mean that the product is unusable. A review of the necessary properties for the specified application is essential due to quality assurance. As a reaction product of the drying process an emission of ethanol have to consider.

General Processing

The processing is done with three steps: 1. Cleaning, 2. Application and 3. Drying

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Cleaning:

The surface should be carefully freed of dirt (eg brush or damp wiping). Before coating, the surface should be dry.

Application:

The temperature of the mineral surface should range from min. 18°C. For the coating application we recommend a paint roller (polyamide yarn, heavy duty and robust, e.g. from company Friess-Techno-Profi GmbH) alternative by spray, dip or flow coating. The impregnation should be applied in a manner, that a thin and closed wet film is formed on the surface. To increase the penetration of the coating material into the surface of the stone we recommend an increase of the surface temperature with IR light of 50-60 ° C. It is particularly important to ensure that no water spots after tempering are optically visible, because it leads to differences in quality of the impregnated surfaces. The amount of the applied material is depending on the absorbency of the substrate.

Drying:

The applied material is dried for at least 24 h minutes at room temperature. In case of higher atmospheric humidity longer curing times are necessary. The surface is dust dry after some few minutes. The coating shows full easy-to-clean effect after 24 hours. Depending on the porosity of the substrate and the surface temperature of the stone, the coating is dust dry after a few minutes and stackable.

The exact application conditions must be agreed on the basis of systematic series of experiments with the stone type.

The equipment used can be easily cleaned with water or alcohols.

Concluding remarks:

Subject to technical modifications and amendments. The above-mentioned details reflect the criteria regarding our quality inspections. They do not constitute any legal assurance of particular product features or of the suitability for a specific application. All of the values are applicable at the time when the product leaves the supplier's factory. The values stated are reference points, they are subject to being continually updated within the scope of product maintenance. A written sales agreement shall be required for the information concerning product specifications to have a binding character. Please refer to our warning notices, our product information sheets and safety data sheet.

Should you require further information and technical advice, our Applications Engineering Department and the relevant R&D Department are at your disposal.

Our product information and (applications) engineering consultancy services, whether communicated orally, in writing or by means of tests, are in accordance with the current status of the knowledge and experience gained by us.

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We reserve the right to modify and update our products within the scope of technical progress and further developments within the company. This information is provided without engagement. The sole purpose of such information is to provide details on the properties of our products and their potential applications. It does not constitute any guarantee and is not intended to be an assurance of any particular properties or suitability for a specific application. The client or user is thereby not exempt from carrying out his/her own testing to determine the suitability for the intended processes, purposes and applications by members of staff with the appropriate qualifications. This also applies with regard to the protection of proprietary rights of third parties. Brand or trade names of other companies are mentioned merely by way of example and do not constitute any endorsement, the use of other products of the same nature is not excluded.

*No concluding knowledge is yet available regarding trial products still in the testing stage. Their specifications have not yet been conclusively determined and may change at any time during the testing stage. Therefore, it is not possible to make conclusive statements with regard to characteristics including, but not limited to their processability as well as the parameters for production and applications engineering.