

550 PROAGREGA S



Cement Based Silica Aggregate Surface Hardener

PRODUCT DESCRIPTION

It is a cement-based, silica-reinforced, surface hardening mortar with high surface wear resistance, containing specific chemical additives, ready-to-use, applied by sprinkling in powder form.

FEATURES

It has much higher strength than fresh concrete surfaces.
Surface wear resistance is high. Hardness degree is high.
It delays surface dusting.
Provides a smooth and homogeneous appearance. It has low permeability.
It has a natural decorative appearance.
It is easy and practical to apply.
It is resistant to vehicle traffic and high loads.

PRODUCT INFORMATION

Chemical Structure : Cement Based
Appearance : Powder
Color : Grey, Red, Green

PERFORMANCE

(23°C, 50% Relative Humidity)

Void Unit Volume Mass of Fresh Mortar	1650 ± 200 kg/m ³	TS EN 1015-6
Compressive Strength 28 days	20 N/mm ²	TS EN 196-1
Flexural Strength 28 days	4,5 N/mm ²	TS EN 196-1
Water Absorption: (after 30 minutes)	5 gr	TS EN 12808
Water Absorption: (after 240 minutes)	10 gr	TS EN 12808

These values were obtained as a result of laboratory experiments carried out in our company and are valid for the performance of finished applications at the end of the full drying period. Values may change as temperature and humidity values in the construction site environment and application surfaces and areas will vary.

USAGE AREAS

To create decorative wear-free coating for industrial building floors,
For the purpose of creating a floor with high wear resistance in areas exposed to vehicle traffic,
It is suitable for use in all mineral-based flooring areas such as factories, warehouses, helipads, underground passages, parking lots, schools, shopping malls and metro stations.
It is used to strengthen load-bearing concrete and screeds.
Surface hardener application is intended to increase the abrasion, dust and impact resistance of the selected concrete in the upper part of the concrete.



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APPLICATION EQUIPMENT

Polishing Machine .

APPLICATION INSTRUCTIONS

Surface; It must be cured, dry and sound. It should be cleaned of residues such as oil, grease, dirt, paint and salt vomit that would prevent adhesion. The surface must be roughened. The bearing concrete of the application area must be at least C25, C30 class. It should be 8-10 cm and contain iron reinforcement.

The surface of the fresh concrete to be applied must be leveled with a wooden trowel.

When the concrete to be applied hardens enough to leave a footprint on the floor, the amount of surface hardener to be used is placed on the edge of the panels in the work area.

If spreading will be done by machine:

All PROAGREGA S is sprinkled on the concrete surface by sprinkling method. It is spread with the help of machine.

Manual propagation:

Sprinkling is done gradually. Spread the 2/3 part first. When the color darkens, it is either polished by machine or integrated into the concrete manually with the help of a spatula. After it is integrated with the concrete, the remaining 1/3 part is spread. Care is taken to ensure a homogeneous image.

After the spread material absorbs the water of the concrete and changes color, the rough finishing process is started at low speed. The surface hardener is ensured to integrate with the concrete. Before proceeding with the polishing process, the material spilled on the edges of the tiles should be cleaned. Otherwise, there may be a difference in elevation between the two panels. After the rough polishing process is completed, if the concrete is dry enough to walk on, the fine polishing process performed at high speed is started and the process is finished when the desired brightness and smoothness of the surface is achieved.

Ready-to-use acrylic-based PROCURE material is poured on it. In this way, rapid water losses that may occur on the surface are prevented.

LIMITATIONS

To obtain optimum quality, please adhere to the application instructions. Application should be made between +5 C and +30 C. Application should not be made in hot, rainy and windy weather. Application should not be made on surfaces at risk of frost. The product must be protected from rain, water, frost and negative external factors until it is cured.

CONSUMPTION

4-6 kg/m² .

PACKAGING

25 kg'lık kraft torbada, (palette 64 adet, 1600 kg) .



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SHELF LIFE

It is valid for 1 year from the date of production in its original packaging in moisture-free and dry environments (temperature between +5 C and +35 C). The packaging should be tightly closed when not in use. It should be kept away from moisture.

STORAGE CONDITIONS

It should be stored in its unopened original packaging in a moisture-free, dry and cool environment (temperature between +5 C and +35 C). It should not be left under direct sunlight.

SAFETY

Since it is cement based, do not breathe the dust, use a mask. Avoid contact with skin and eyes. Use protective gloves, glasses and clothing. In case of eye contact, rinse with plenty of water and consult a doctor immediately. Keep out of reach of children. In case of skin contact, wash with plenty of water and soap. Do not swallow. For detailed information and recommendations, please refer to the Safety Data Sheet.

LEGAL NOTES

Our technical data sheet is DEKOSTAR LTD., which has a wide range of usage areas. ŞTİ. It has been prepared to give general information about the products and to show the technical features of the products, and it is a recommendation and this information is about the correct application ground, air, equipment, etc. It is valid under the conditions and when the products are stored under the recommended conditions.

DEKOSTAR LTD. ŞTİ. Since it cannot control the conditions under which its products are used, it does not accept any responsibility for the application result and does not guarantee it. The user of the product must test its suitability before using the product.

DEKOSTAR San. will be liable for application errors that may occur if the product is used for purposes other than its intended purpose or if the application conditions and recommendations stated above are not followed. and Tic. Ltd. Ltd. is not responsible and has the right to change the features of its products without notice. Users should always refer to the latest edition of the Product Technical Data Sheet for the relevant product.



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