

Concrete SPR

Sprayed Concrete

Product Description:

Concrete SPR is fine granule sprayed concrete with high resistance quality in a short time that is prepared with the reinforcement with granulometric sand, cement and high quality additives. It can be applied with dry spraying machines by carrying over to long distances or high areas for concrete repairs, reinforcements, concreting without mould, etc., and can be work on with a trowel after the application.

Areas of applications:

- Interior and exterior
- On walls, floors and ceilings

Features:

- In reinforcement and repair of all kind of concrete and reinforced concrete materials
- In curtain wall manufacturing, in fine or thick layer concreting
- In providing the slipping safety of the base hole regardless of using mould, increasing stability and slipping safety of slopes
- In reinforcement and repair of concrete piers
- Used for building the constructions requiring high resistance, such as tunnels, bridges, passages, etc.
- Fast curing, fast freezing and reaches to high resistance values in a short time
- It is pumped in dry state pneumatically and sprayed on the surface wetly
- High compressive strength
- Resistance to water, constant humidity, frost and adverse weather conditions.
- Fireproof
- Easy-to-apply

Technical data:

Dmax (mm)	5
Colour	Grey
Applicable Thickness (mm)	20
Compressive Strength (28 days) (N/mm ²)	≥ 40
Mixture water amount (for 25 kg dry mortar)	4 – 5,5 lt
Environment temperature for application	Between +5°C and +35°C

Technical data are approximately provided according to a temperature of + 20°C and a relative humidity of 50%.

Preparing the substrate :

- The applicable surface should be strong, durable and stable enough to bear burden.
- The defective and bad places on the application surface should be scraped off until reaching the strong and loadable concrete.
- The application surface should be porous enough; very smooth and slippery surfaces should be made porous enough with e.g. sand spraying system.
- The separating substances reducing adhesion quality such as dirt, dust, cinder, tar, grease, paint, etc.; cracks, cement and plaster residues should be cleaned from the application surface.
- In production of reinforced concrete materials, the reinforcement should be covered with sufficient amount of concrete.
- The surfaces should be wetted sufficiently at least 24 hours before the application and rested until they become pale dry.
- The surfaces to be restored and reinforced should also be wetted at least 24 hours before the application and applied after they become pale dry.
- In order to protect the reinforcement from corrosion prior to the reinforcement, using Bostik AntiCor is recommended.

Application :

- It is used in all machines that spray by pumping with dry method (e.g. Aliva, Meynadier, Mader, PFT, Torkret, Schürenberg, etc.)

- The machine manufacture's advice regarding air and water balance and electrical system should be followed.
- In order to obtain the optimum results, the tip of the spraying gun should be held and sprayed at maximum 1 meter distance from the surface and at 90° angle from the ground (parallel to the ground).

After application :

- In initial days after the application, the surfaces that have not dried properly should be protected from direct sunlight, strong air stream, high temperature (+35°C) and adverse air conditions such as frost.
- It is recommended that the applied surfaces should be covered with wide folios and humid jute sacks for 7 days as well as dampening by spraying water or similar applications.

Coverage:

Approx. 2,1 – 2,3 t/m³ for 10 mm thickness.

Approx. 21 - 22 lt of fresh concrete is obtained with a 40 lt package.

The coverage amounts are theoretical and it is recommended to do coverage-controlled sample application before treatment.

Packaging:

In 40 kg craft bags, 40 bags in 1 palette (1600 kg/palette)

Storage:

- Dry mortar bags should be protected from water, frost and adverse air conditions.
- They should be kept dry and cool on wooden palettes.
- The torn and opened drums should be closed immediately and consumed first.
- Maximum 6 bags are stacked on each other.
- Shelf life is maximum 12 months conditional to complying with the abovementioned storage conditions.

Risk Signs :

R23/24/25 : Poisonous when inhaled, swallowed and contacted with skin.

Security signs:

S2: Keep out of reach of children.

S3: Keep cool.

S9: Keep the package dry.

S26: Rinse with water thoroughly when contacted with eyes and consult a doctor.

S28: Rinse with water thoroughly when contacted with skin and consult a doctor.

S29: Do not throw in the drain.

S36/37/39: Wear suitable protective clothing, protective gloves and glasses / mask during the operation.

BOSTIK is only responsible for the product quality and cannot be held responsible for its mis-use except for the recommendations regarding where and/or how the product shall be used. This technical bulletin hereby is valid until it is renewed. BOSTIK's right to amend the products in accordance with technical developments is reserved.



Akçaburgaz Mh. ALKOP Sit. 1575 Sk. C2 Blok No.5-14 Esenyurt 34555 İstanbul
Tel. (+90 212) 858 01 26 Fax. (+90 212) 858 01 34
info@bostik.com.tr - www.bostik.com.tr