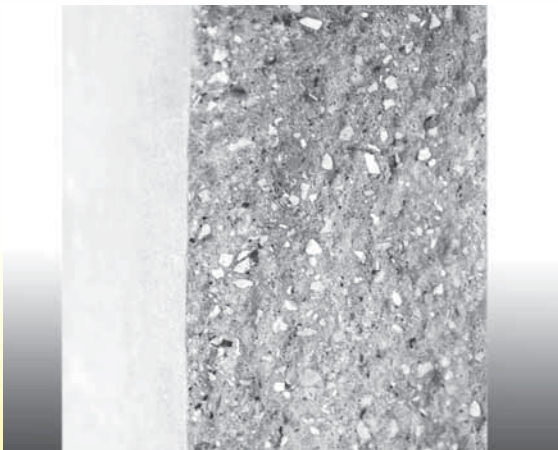


Highlighted by Minimum Installation Time ...

KALCRET-S can be Sprayed, is Hard, Abrasion Resistant and Quickly Applied



Kalenborn spray technology



Homogenous structure

KALCRET hard compound has proved successful in practical testing in a variety of industrial applications. It is well known that KALCRET can be cast or trowelled. Furthermore, prefabricated elements and prefabricated pipe bends – even of asymmetric configuration – are offered.

KALCRET-S is the spraying technique that allows KALCRET to be applied over large surfaces in a minimum amount of time. Spraying may be done horizontally, vertically and overhead. The sprayed-on KALCRET can be reworked to attain a very smooth surface.

Technical data

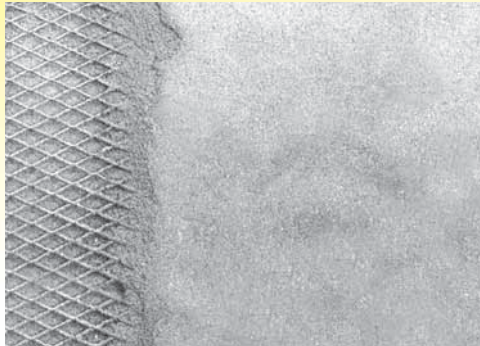
hard aggregate	bauxite (B)
particle size	0 ... 4 mm
density	2,7 g/cm ³
compressive strength	(28 days) up to 170 MPa
bending tensile strength	(28 days) up to 22 MPa
max. application temperature	400 °C / 752 °F (N) or 1,200 °C / 2,152 °F (T)
aggregate percentage	70 %

Advantages

- excellent wear protection compound
- excellent abrasion resistance
- homogeneous structure with little porosity
- smooth surfaces by re-working
- setting time only 8 hours

Particularly Suitable for Large Surfaces:

Reliable Protection for Bunkers, Silos, Separators, Cyclones and Dust Collectors



Attachment by means of wire mesh



Kalenborn spray system



Smooth surface

Preparing the job

- working temperatures between 5 and 30 °C / 41 and 86 °F
- attachment by means of wire mesh or fixing anchors
- fixing points spaced 250 mm
- steel surfaces shall be mechanically cleaned
- sandblasting not required
- concrete surfaces shall be free of forming oil and loose particles

Kalenborn spray technology

- spray system especially developed for installing KALCRET-S
- continuous and homogeneous delivery of the KALCRET-S compound up to the spray nozzle
- high-pressure water dosing and injection developed for Kalenborn to warrant optimal wetting of KALCRET-S
- addition of steel or other fibers immediately before spraying
- spraying system made available in installation containers

Working of KALCRET-S

- short installation time due to high application rate > 5 m²/h
- homogeneous, intensely compacted sprayed-on layer free of joints
- layer thickness 20 ...100 mm
- surface to be smoothed immediately after spraying
- material spillage < 20 %
- 75 % of final strength reached as early as 8 hours after installation
- working distance 800 to 1,200 mm
- conveying distance of spraying compound longer than 50 m from the spraying machine
- even suitable for complicated geometries and large surfaces
- heating-up curves shall be duly observed

All above data depend on the specific application circumstances.

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