

QUICKSET AF265

(ALKALI FREE LIQUID, ULTRA HIGH PERFORMANCE SET ACCELERATOR FOR SPRAYED CONCRETE)



DESCRIPTION

QUICKSET AF265 is a high performance alkali-free set accelerator for sprayed concrete to produce shotcrete characterized by rapid setting times and very quick strength development of its strength after only a very short curing time. Dosage can be varied to the desired setting and hardening times.

APPLICATIONS

- Securing tunnels during boring applications
- Shotcrete inner lining
- Slope stabilization
- Rock support in mining
- Where exceptionally high early strength, good final strength and extremely thick layers are required
- Suitable for acceleration of cementitious grouts, such as used in TBM tunnel linings, cement ground injection and foam concrete backfill operations

ADVANTAGES

- High early strength development
- Alkali Free
- Lower rebound during application
- Chloride Free
- Reduction in dust
- No pollution for surface and ground water

TYPICAL CHARACTERISTICS

Appearance	Off White To Pink
Density	1.22 ± 0.02g/ml
pH Value	2.5 ± 0.2
Viscosity	> 550 mPa
Thermal Stability	+5°C to +35°C
Chlorides	< 0.5 %

DIRECTIONS FOR USE

SURFACE PREPARATION: The substrate should be clean and free from loose particles and preferably damp. It is recommended to use only fresh cement as the age of the cement can have a negative influence on the setting characteristics of the mix.

MIXING: When QUICKSET AF265 is used for wet mix spraying, the w/c ratio should be below 0.5 and preferably < 0.45. When targeting extremely high early strength, 0.40 or lower. The lower w/c ratios provide faster setting; higher early strength, better durability, lower accelerator dosage and thicker layers can be applied overhead.

PLACING: QUICKSET AF265 is added in the nozzle. To ensure a constant and accurate dosage to ensure quality sprayed concrete, it is crucial to follow the pump selection guideline given below:

Works very well with:

- mono pumps (screw pumps)
- squeeze pumps (Bredel)

Should not to be used with:

- piston pumps
- all pumps with ball and seat valves
- pressure tanks
- gear pumps

CONSUMPTION

The dosage of QUICKSET AF265 depends on the temperature conditions, reactivity of cement used and on required thickness of layers, setting time and early strength development. The consumption of QUICKSET AF265 is normally in the range of 3 to 10% of binder weight.

STANDARD COMPLIANCE

- ASTM C 1141/C 1141M, Type I, II, Grade 9, Class A

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PACKAGING

250 Kg Barrel, 1000Kg IBC Tank

SHELF LIFE

12 months shelf life if stored in undamaged and unopened, original sealed containers, protected from direct sunlight and frost, at temperatures between +5°C and +30°C.

PRECAUTIONS

As with all chemical products, care should be taken during use and storage to avoid contact with eyes, mouth, skin and foodstuffs. Treat splashes to eyes and skin immediately. If accidentally ingested, seek medical attention. Reseal containers after use. Use in well ventilated areas and avoid inhalation.

DISCLAIMER

The above information and details herein are based on the tests conducted & experience on application and usage. The user is advised to carry out the test and take trials to satisfy on the suitability of the products and meeting his requirement considering the prevailing conditions prior to apply/ using it on larger area. As the conditions under which the products are used or transported are beyond our control. We would not hold ourselves responsible on its consequential nonperformance.



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