ARDEX CE 910

Rapid Curing Semi-Rigid Pavement Grout

Shrinkage compensated

High flexural and compressive strength

Rapid strength gain

Excellent flow properties

For civil engineering and general construction

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DESCRIPTION
ARDEX CE 910 Rapid Curing Semi Rigid Pavement Grout is a rapid set, high-flow grout with both high early and final strength. It is formulated with unique additives and blends of cement to provide durability and wear resistance. It is used in civil engineering projects where fast return to service is required.

RECOMMENDED USES
- Concrete road pavement
- Heavy loading yards
- Road junctions
- Airport aprons
- Bus depots

ADVANTAGES
- High flexural and compressive Strength
- High strength gain
- Dual shrinkage compensated
- High bond to concrete
- Chloride free
- Low permeability
- Excellent wear resistance

MIXING
Each 25kg bag of ARDEX CE 910 will require approximately 9.0 – 9.5L of water. Measure approximately 80% of the required water into a clean suitable sized pail and then add the entire contents of the bag while mixing with a heavy-duty electric drill on medium speed (approximately 600rpm). Add the remaining water and mix for about 2 – 3 minutes or until it is fully homogenized. The mixed material must be poured immediately for best results.

APPLICATION
Pour the mix immediately over the porous open asphalt with voids ranging from 20 – 30%. Flood the porous asphalt to completely fill the voids. Spread and remove any excessive grout using a rubber scraper to provide adequate initial surface texture and skid resistance.

PAY ATTENTION TO THE FOLLOWING:
1. Do not over-water. This can lead to segregation, shrinkage and strength reduction.
2. Do not install below 10°C surface and air temperature.
3. Store bags and water reservoir for mixing in a shaded or conditioned space. Cool water and powder can greatly extend the working time in hot conditions.

PACKAGING
ARDEX CE 910 is packed in polylined paper sacks – net weight 25kg

STORAGE AND SHELF LIFE
ARDEX CE 910 has a shelf life of 6 months when stored in the original, unopened packaging in a dry place at 23°C and 50% relative humidity.

CLEAN UP
All grouting equipment shall be thoroughly washed with clean water after grouting operations for that day are completed.

TECHNICAL DATA

Mixing Ratio	9.0 – 9.5L of water per 25kg bag

Characteristics	Test Method	Test Results
Compressive Strength 1 day 28 days	BS EN 12190 : 1999	 ≥ 40 MPa ≥ 90 MPa
Flexural Strength 28 days	BS EN 196-1- : 2006	≥ 6 MPa
Bleeding Characteristics	ASTM C 940 : 2016	0%
Fluidity Test	BS EN 445 : 2007	≤ 25 seconds
Fresh Density	BS EN 1015-17-2000	1950 ± 100kg/m^3
Setting Time Final Set	ASTM C953 : 2010	< 120 min

Technical data according to ARDEX Quality Standards. All data based on a partial, in-lab mix at 23±2°C and RH 55±10%, water powder ratio 0.36

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SAFETY PRECAUTIONS

ARDEX CE 910 should not come into contact with the skin and eyes or to be swallowed. Ensure adequate ventilation and avoid inhalation of vapors. Wear suitable gloves, goggles and other protective clothing. The use of barrier creams can provide additional skin protection. When working in confined areas suitable respiratory equipment must be used. In case of contact with skin, rinse with plenty of clean water then wash with soap and water. Do not use solvent. In case of contact with eyes, rinse immediately with plenty of clean water, and then seek medical attention without delay. If swallowed, seek medical attention straight away, do not induce vomiting. The Safety Datasheet (SDS) is available at www.ardex-quicseal.com

DISPOSAL/SPILLAGE

Please refer to the Safety Data Sheet for the safe handling, storage and disposal of chemical products.

DISCLAIMER

The technical datasheets are based on the latest information and given in good faith and represent the best of our knowledge and experience at the time of printing. They are primarily offered for users' consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products. It is also the responsibility of the user to ensure that the products are used and handled correctly and in accordance with any applicable standards, the product instructions, and recommendations and only for the uses they are intended. As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program.

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October 2024 T