ARACONE AT

Non-shrink, free flow, extra high strength grout

Description:

ARACONE AT is supplied as a ready to use dry powder. The addition of a controlled amount of clean water produces a free flowing, non-shrink grout. It is a blend of Portland cement, graded fillers and chemical additives which impart controlled expansion in the plastic state whilst minimizing water demand.

Uses:

- Heavy duty support beneath loadbearing units especially where high static and dynamic forces occur
- Effective grouting of base plates and bolt pockets of Turbo Generators, Diesel Generating sets, Crane and Transporter Rails Even with high wheel loadings, Heavy Reciprocating equipment
- Compressors, Pump sets, Pulverizing mills, Metal Shearing and Processing Machines, Steel Rolling Mill Beds, Cement, Textile, Granite and Paper Plant machinery.

Advantages/Characteristics:

- Continue to occupy the filled space without shrinkage
- Ensures high level of contact with load bearing areas
- Also helps complete filling without voids, Consistency and reliability
- No need for external aids like rodding, poking, chaining etc.
- Can be used under heavy duty machines and equipment with high operational and static loads
- Site batching and blending variations eliminated Iron free
- No chance of deterioration by uncontrolled rust expansion, corrosion and staining of grout
- Does not cause corrosion of machine parts, anchor bolts etc.

Company Standard Compliance:

Technical Information:

Properties	Specification
Appearance	Grey colored powder
Density	2200 to 2250 Kg/m³
pH Value	7 to 8
Compressive strength @W/P 0.16 (BS 1881: part 116 1983)	>40N/mm² @ 1 days >70 N/mm² @ 7 days >80 N/mm² @ 28 days
Tensile Strength	>3.5N/mm² @ 28 days
Flexural Strength (BS 4551, 1998)	>10 N/mm²@ 28 days
Coefficient of thermal expansion	11 x 10 ⁶ per degree Celsius
Time for expansion	Start: 20 minutes Finish: 120 minutes

Pullout bond strength (W/P - 0.18)	>17 N/mm² @ 7 days >20 N/mm² @ 28 days
Young's modulus (ASTM 469 - 94)	28 kN/mm²
Pressure to restrain plastic expansion	0.004 N/mm² approx.

Application Procedure:

- Measure water precisely
- Mix powder and liquid in ratio of w/p= 0.16 mechanically
- Use mixed grout within 30 minutes
- Clean concrete and steel surfaces thoroughly before grouting
- Build a strong, carefully designed leak proof shuttering
- Start curing when grout reaches 'touch-hard' state –within4 -6 hrs.
- Cure properly for at least 7 days

Consistency of grout:

Consistency	W/P required per 25 Kg bag
Pourable	0.120
Flowable	0.160

Notes: Sufficient grout must be prepared before starting. The time taken to pour a batch must be regulated to the time to prepare the next one.

Flow characteristic:

- Data on 75 mm gap between base plate and RCC surface:

Normal head	50 mm head	100 mm head
1200 mm	2400 mm	3000 mm

Our Commitment To The Environment Redwop products assist Project Designers and Contractors create innovative LEED (The Leadership in Energy and Environmental Design) certified projects, in compliance with the U.S. Green Building Council.

ISO 14001 is the internationally recognized standard for environmental management systems (EMS). It provides a framework for organizations to design and implement an EMS, and continually improve their environmental performance

Notes: Non shrink grout ARACONE AT has to be poured one side of the base plate. It has to come out other side. If top surface of grout touches to other side base plate bottom surface then all side grout has to be poured minimum at the surface of base plate.

Limitations:

- Low temperature working: When the air or contact surface temperatures are 10 °C or below on a falling thermometer, warm water (30 °C to 40 °C) is recommended to accelerate strength development.
- High temperature working: At ambient temperatures above 40°C, cool water (below 20 °C) should be used for mixing the grout prior to placement.

Curing:

On completion of the grouting operation, exposed areas should be thoroughly cured. This should be done by the use of REDICURE WB curing membrane, continuous application of water and/or wet hessian.

Packaging:

ARACONE AT is supplied in 25 kg bags.

Storage & Shelf-life:

Minimum of 6 months shelf-life if kept under room temperature (i.e. 27°C).

Health & safety:

ARACONE AT is alkaline and should not come into contact with skin and eyes. Inhalation of dust during mixing should be avoided. Gloves, goggles and dust mask should be worn. If contact with skin occurs, it shall be washed with water. Splashes to eyes should be washed immediately with plenty of clean water and medical advice sought.

Fire:

ARACONE AT is non flammable.

ISO/IEC 17025 enables laboratories to demonstrate that they operate competently and generate valid results, thereby promoting confidence in their work both nationally and around the world.

ISO 45001 is the world's international standard for occupational health and safety, issued to protect employees and visitors from work-related accidents and diseases.

ISO 9001:2015 is a globally recognized standard for quality management systems (QMS). It helps organizations of all sizes and sectors to: Improve performance, Meet customer expectations,Demonstrate commitment to quality, and Identify and improve processes that lack consistency.

REDWOP CHEMICALS PVT. LTD.
Head Office Regd. Office: 2nd Floor, Pearlplaza Complex, Nr. GT Sheth School, 150 ft. Ring Road, Rajkot Gujarat (IN) 360005 India
info.redwop@gmail.com http://redwop.net 9724655551 ☎ 0281 2576664