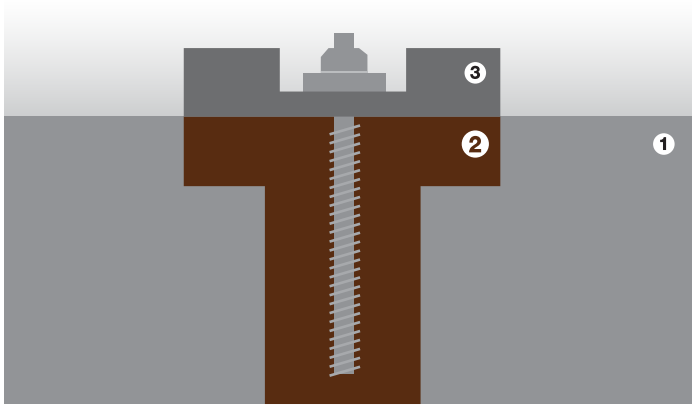
STÄRKEN®
Drymix Solutions

ANCHOR GROUT 515

Multi Purpose Shrinkage Compensated Grout

SYSTEM DIAGRAM



1. Concrete Floor
2. Anchor Grout 515
3. Base Plate

DESCRIPTION

Shrinkage compensated multi-purpose cementitious grout which is suitable for dry-packed, pourable and flowable mix designed

USES

- Concrete anchor
- Precast repair and gap filling
- Machine foundation
- Rail beds
- Bridge bearing

BENEFITS

- Fast strength development
- High final strength
- Shrinkage compensated
- Work for dry-packed and flowable status
- Good flow

COMPLIED STANDARD

- ASTM C348, C349, C827, C940, C953

TECHNICAL PROPERTIES

Technical Properties	Dry-packed	Pourable	Flowable
Water Demand	3.0 – 3.2 L	3.6 – 3.8 L	4.2 – 4.4 L
Yield	12.5 L	13.5 L	14 L
Compressive Strength			
1 day	~ 40 N/mm^2	~ 35 N/mm^2	~ 30 N/mm^2
7 days	~ 60 N/mm^2	~ 55 N/mm^2	~ 50 N/mm^2
28 days	~ 80 N/mm^2	~ 70 N/mm^2	~ 60 N/mm^2
Flow Table	150 mm	220 mm	290 mm
Initial Setting Time	4 hrs	5 hrs	5.5 hrs
Expansion in 24 hrs	~ 0.4%	~ 0.2%	~ 0.1%
Bleeding	-	No Bleeding	No Bleeding

RECOMMENDATION

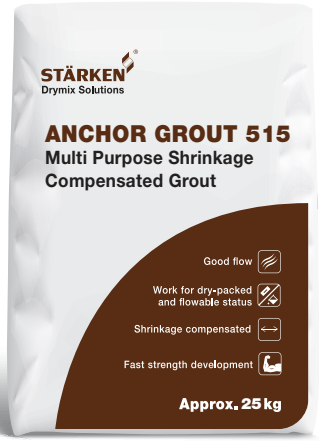
- For >50mm thickness, not exceed 1 part of 10mm granite chip can be added to pourable or flowable **Anchor Grout 515**
- **Wall Buddy 155** is recommended to prime the substrate when patching on wall

STORAGE

Shelf life is 6 months if stored in dry and cool place

PACKAGE

Approx. 25kg



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PHYSICAL FEATURES

Physical Properties	Feature
Component	Cement, Green Binder, Expansive Agent, Graded Sand
Aggregate Size	2 mm
Pot Life	30 mins
Chloride Content	No Chloride
Layer Thickness	50 mm

APPLICATION

SUBSTRATE PREPARATION

- Substrate should be free from mould oil, grease, loose particles and contamination of foreign materials
- Rusting of steel bar should be removed
- Formwork should be water tight for formwork repair

MATERIAL PREPARATION

- Select the consistency required
- Mix 1 bag of 25kg **Anchor Grout 515** with suitable amount of water for at least 3 minutes by electrical mixer until homogeneous
- After mixing, add 10 mm granite chip if needed
- Dry-packed consistency can be applied by gloved hand or trowel
- Grouting under baseplate should use pourable consistency
- Pumping application or formwork grouting should use flowable consistency
- Apply the grout with suitable method

CURING

- Natural air curing is sufficient
- For large area application in hot climate, recommended to use wet hessian at the first day curing

SAFETY

Wear NIOSH approved facemask during mixing as to avoid inhaling of dust.
May cause irritation to eyes and skin:
1. In case of contact with eyes, rinse immediately with water and seek for medical advice if needed.
2. In case of contact with skin, rinse immediately with soap and water. To seek medical advice if needed.

STARKEN DRYMIX SOLUTIONS SDN. BHD. (916505-X)
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