



TECHNICAL DATA SHEET

ARKA FREE GROUT 70-NON-SHRINK, FREE FLOW CEMENTITIOUS GROUT

Description

ARKA FREE GROUT 70 is a ready-to-use, free-flow, non-shrink cementitious grout designed for high-strength grouting applications under machine bases, precast elements, and structural supports. It provides excellent flow, high early and ultimate strength, and shrinkage compensation.

Areas of Application

- Machine base plates
- Columns and stanchions
- Anchor bolts
- Precast concrete elements
- Bridge bearing plates
- Structural grouting where non-shrink performance is required

Technical Parameters

SL. No	Test Parameters	Result
1	Compressive Strength	
	3 Days	38.5
	7 Days	63.7
	28 Days	75.2
2	Change in volume %	Nil

Surface Preparation

- Remove dust, oil, grease, weak concrete.
- Pre-wet the substrate for 24 hours.
- Remove standing water before placing.
- Clean all bolt holes and cavities thoroughly.

Formwork Installation

- Formwork must be strong, rigid, and leak-proof to withstand pressure during pouring.
- Seal all joints using mortar or sealant to prevent leakage.
- Provide a head box or hopper on one side for gravity flow.
- Ensure there is an outlet or vent to allow trapped air to escape.

Mixing Instructions

- Use a mechanical mixer (grout mixer or slow-speed drill with paddle).
- Pour 4.5 to 5 ltrs of clean water into the mixer.
- Add ARKA FREE GROUT 70 slowly while mixing.
- Mix continuously for 3–5 minutes until a smooth, lump-free, homogenous grout is achieved.
- Do not add extra water beyond the recommended range.

Yield

Allowance should be made for material wastage while estimating quantities.

The approximate yield per 25 kg bag is as follows:

Mix Consistency	Approximate Yield
Flowable	12.5 Litres
Pourable	12.0 Litres

Placement / Pouring

- Immediately pour grout after mixing for best flow.
- Start pouring from one side only to avoid air entrapment.
- Maintain continuous flow to prevent cold joints.
- For large areas, the product can be applied using grout pumps.
- Use gentle rodding or steel strapping under the base plate to assist flow if required.
- Ensure grout flows through the entire cavity and reaches the opposite end.
- **Minimum thickness: 10 mm**

Curing & Cleaning

- Begin curing as soon as the grout surface is firm enough.
- Use wet hessian, water spray, or an approved curing compound.
- Maintain moist curing for a minimum of 3 days.
- Clean tools and equipment with water immediately after use.
- Hardened material must be removed mechanically.

Supply

25 Kg Bag



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