

K2 GROUT –NSFF

High accurate, free flow, non shrink, expanding pouring grout



K2 Grout – NSFF is a cementitious free flow, non shrink grout specially designed for machine foundation, grout bearings, column joints in precast construction, concrete anchors, cavities, gaps, recesses, steel rolling-rill beds, Pump sets and Turbines etc.

BENEFITS:

- Ready to use flowable cementitious grout, hence consistency adjustable
- No addition of other material except water
- Excellent shrink Resistant
- Early high strength gain
- Corrosion resistant
- Non flammable and non –toxic
- Impact as well vibration resistant.

TECHNICAL SPECIFICATION:

Nature	: Single component powder
Colour	: Grey
Density	: 2220 Kg/m ³
Chemical Base	: Cement, selected fillers and aggregates and special additives
Grading	: 2.36 mm down
Bedding Thickness	: Minimum 20 mm Maximum 100 mm

MECHANICAL SPECIFICATION:

Compressive Strength	Ambient temperature +30 C ASTM C 1107-91 at W/P ratio of 0.18			
	24 Hours	3 days	7days	28 Days
	18 N/mm ²	35 N/mm ²	50 N/mm ²	60 N/mm ²
Flexural Strength	Ambient Temperature + 30 C			ASTM C 293-79 at W/P ratio of 0.18
	7 Days		28 Days	
	5 N/mm ²		7 N/mm ²	

Expansion time after mixing: Expansion stops approximately after 120 minutes at 30 C

APPLICATION DIRECTIONS & PRECAUTIONS:

Surface Quality: Concrete, grout or stone surface must be sound and free from any voids or cracks

- **Surface Preparation:** Before application of K2 GROUT –NSFF the surface should thoroughly cleaned with some mechanical processes like water jetting, breakers, blast cleaning, and scrabbles. It should be free for dust oil, grease, loose partials etc.

Prepared surface should be pre soaked with water to make it Surface Saturated Dry.

- **Mixing:**
Mix the powder with water at a proportion of 1:4. Mix the grout with water about 3 to 4 minutes to get the accurate consistency.
- **Pouring:**
Pour the grout immediately into the prepared openings. Take a look at the time of pouring K2 Grout there should not be any air voids remain. This grout not needs any vibrators as it is a free flow grout.
- **Pot Life:**
Use the mixing within 30 minutes to get the best result.
- **Curing:** It is just like concrete so, normal curing is required for that.

Packaging: 25Kg HDPC Bag

Storage: & Shelf Life:

It should be stored in cool and dry place. Shelf life is maximum 6 months from the date of manufacturing.

Health & Safety:

K2 GROUT NSFF is not hazardous. It should not be swallowed or allowed to come into contact with the skin and eyes. Protective gloves, Nose mask and goggles should be worn. Contact with skin for long tenure should be avoided. In case of contact with the eyes, it should be rinsed immediately with plenty of water and medical advice sought immediately.

FIRE:

K2 GROUT is nonflammable and non toxic

TECHNICAL SUPPORT

The company provides a technical services supported by the team of specialist applicators in the industry

Important Note:

Jay Chemical Industries Ltd products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may not be available, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it or its applicators be obtained on request. Whilst Jay Chemical Industries Ltd endeavors to ensure that any advice, recommendation specification or information it may give is accurate and correct, it.



Head Office:-

Jay House, Panchvati Circle, Ambavadi, Ahmedabad-380006. India

Phone:+917926423363 Fax:+917926425763

Email: k2 @jaychemical.com

Website: www.jaychemical.com

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