

PRODUCT : GP 2 GROUT

TECHNICAL DATASHEET

High Strength, Precision, Free-Flow, Non-Shrink Cementitious Grout

Product Description

Kayra GP2 Grout is a high-performance, ready-to-use, non-shrink, free-flowing cementitious grout specially formulated for precision grouting applications. It develops early and ultimate high strength, ensuring superior load transfer in static and dynamic conditions. Suitable for use in critical structural and industrial foundations.

Packaging

Kayra GP2 Grout is supplied in 20 kg moisture resistant bags.

Advantages

- Excellent flowability for easy placement
- Non-shrink formulation ensures complete contact under base plates
- Adjustable consistency
- High early and final compressive strength
- Free from segregation and bleeding
- Withstands dynamic and static loads
- Precision and dimensional stability
- non-corrosive
- Not flammable
- Non-toxic

USES

To grout bearings, machine foundations, columns joints in precast construction etc.

- To grout anchors in concrete
- To grout cavities, gaps and voids in concrete
- To grout base plate of turbine, compressor, boilers, pumps and heavy machinery.
- Sealing around penetrations
- Post fixings

Technical Data

Properties	Test Result
Appearance	Grey Cementitious Powder
Mixing Ratio (Powder:Water)	100 : 12–14 by weight
Flow Life	Approx. 30 minutes @ 30°C
Initial Setting Time	Approx. 5 hours
Final Setting Time	Approx. 10 hours
Expansion (After 24 hrs)	0.1% – 0.4%
Compressive Strength @ 1 Day	30 MPa
Compressive Strength @ 3 Days	50 MPa
Compressive Strength @ 7 Days	55–60 MPa
Compressive Strength @ 28 Days	65–70 MPa
Fresh Wet Density	Approx. 2200 kg/m ³
Yield	Approx. 13.5 litres per 25 kg bag
Shelf Life	6 months from date of manufacture

Application Information

Mixing Ratios & Water Demand (per 20 kg bag)

- **Flowable:** Water : Powder = 0.15 – 0.16 by weight → **3.0 – 3.2 litres** water per 20 kg bag.
- **Pourable:** Water : Powder = 0.14 by weight → **2.8 litres** water per 20 kg bag.

Fresh mortar density: 2000 – 2300 kg/m³.

Consumption: ~1950 kg/m³ at water : powder ratio 0.15.

Maximum layer thickness: 100 mm.

Temperature limits: Ambient and substrate temperature should be between **+5 °C** and **+40 °C**.

Pot life / Workability: ~20 minutes at +30 °C (measured to FIP 5.1).

Initial set time: Approx. 30 minutes.

KAYRA CORPOORATION PVT LTD.

+91 9689678478

thekayracorporation@gmail.com

Address: 604, Radhe Times Square,

Near PDPU Cross Road. Kudasán. Gandhinagar. India-362421