

NEROLAC

PERMA

FLOWCRETE

Super fluid – micro concrete.

DESCRIPTION

Flowcrete is a cementitious grey powder with micro fine aggregates, which allows reconcreting of the damaged, dilapidated structures. The product needs only addition of water to form a free flowing concrete with enormous initial and final strengths.

PRIMARY USES

Flowcrete is useful to reconstruct parts of beams and columns with far superior strength and with very high speed. Grouting structural cut outs and recess in sanitary fittings like floor traps, annular spaces of pipe passes through walls etc., in residential buildings.

DIRECTIONS FOR USE

Mix Flowcrete with water in the ratio of 4 litres of water to every 25 kgs. Sack of material to get a uniform free-flowing mortar. First add 80 % of recommended water to the powder and mix well. Then slowly add water to get the right consistency (water required for a consistency may vary by 10 to 20 % depending upon various factors). Pour this mortar in the rigidly fixed forms. Care should be taken to see that the contact surfaces are dampened before fixing the form. Shutter forms should be effectively sealed to avoid uncontrolled leakages. If the repaired surface needs re-plastering then hack the surface immediately after removal of shutters.

SURFACE PREPARATION

Surfaces to be re-concreted with Flowcrete should be clean, sound, free from any laitance or any deleterious material. Weak portions of the concrete should be cut back to sound surface. Reinforcements should be cleaned to remove rust and supplement additional reinforcements wherever required. Damp down the concrete surface before fixing the shutter forms.

PROPERTIES

Form	: Free-Flowing Powder
Colour	: Grey
Grain Size	: 2.4 mm aggregate maximum
Fibres	: Alkali resistant fibre reinforcements present
Bulk Density	: 1.5 gm/cc \pm 0.05
COMPRESSIVE STRENGTH	
1 day	: 17 N/mm ²
7 days	: 40 N/mm ²
28 days	: 50 N/mm ²

COVERAGE

Yield:

- 25 kg fills 13.5 litre of volume if used neat.
- 25 kg fills 22 litre of volume, when mixed with 10 mm down aggregates in the proportion of 1:1 by volume.

PACKING

Flowcrete is available in 25 kg and 50 kg HDPE sack.

SHELF LIFE

Flowcrete has a shelf life of 12 months from the date of manufacture if stored in a cool, dry place in original packing.

DISCLAIMER

KANSAI NEROLAC PAINTS LTD. (KNPL) warrants that all products are free from any defects of manufacturing and comply with the specification given in their respective technical data sheet. No warranty can be given as to the results of use because conditions of use, such as site conditions, surface preparations, workmanship, weather, structural issues and other factors are beyond the control of NEROLAC. Purchaser agrees to seek the advice of qualified professionals to carry out tests and take trials to determine the suitability of products for their intended purpose, prior to full scale usage of **KNPL** products and assumes all risks.

The company does not assume any liability for unsatisfactory results, arising from the use of our products. Purchaser's sole liability is limited to the replacement of the product or refund of the purchase price paid, if any product is proven defective. No other warranties express or implied, shall apply including any warranty of merchantability or fitness for any particular purpose.

KNPL shall not be liable for any consequential damages arising from the use of our products for unsatisfactory results.

The information supplied in this data sheet is based on our experience through extensive research and is given in good faith in order to help prospective users. We reserve the right to update the information provided in our technical data sheet at any time without prior notice within the scope of technical progress or new developments.