

Manhole Levelling Compound

Description

Has been specifically developed for the resetting of manhole frames and other street ironwork in accordance with the recommendations of the Design Manual for Roads and Bridges HD 27/94, "Mortars for bedding ironwork" Vol 7 Sec 2.

Typical properties:

- sets in 20-40 minutes and is stronger than concrete in one hour.
- develops bond strengths in excess of the surface tensile strength of concrete
- is waterproof and resistant to a wide range of chemicals
- can be used in temperatures below freezing
- is easy to use and save time and labour

Technical data

Typical Compressive Strengths - 38 mm cubes @ 20°C

1 hrs >50 N/mm² 24 hrs >80 N/mm² Ultimate >90 N/mm²

Typical Tensile Strength - 15 N/mm² minimum

Typical Flexural Strength - 27 N/mm² minimum

Direct Tensile Bond Concrete: 2.6 N/mm²
(Concrete failure)

Shear Bond Concrete: 10 N/mm²
(Concrete failure)

Grit Blasted Steel: 4.8 N/mm²
Grit Blasted Steel: 7 N/mm² minimum

Use

Surface Preparation

Surfaces should be clean, touch-dry, sound and free from laitance, dust and any contamination.

Mixing

Empty the entire contents of the resin container into the bucket. Add the activated filler whilst slowly mixing. Once a homogenous mix is achieved use immediately. Do not mix part packs. Use within 10 minutes of mixing.

Application

Apply as pads to corners of frame to more than height required. Set frame on pads and tap down to match levels. Pack ADAWALL MANHOLE LEVELLING COMPOUND under remaining open sections of frame to achieve support over full area of frame. Backfill after ADAWALL MANHOLE LEVELLING COMPOUND has set. Reopen to traffic after 1 hour.

NOTE. Setting time and strength development are affected by temperature. At low temperatures allow extra time for strength to build before opening to traffic.

Cleaning of Equipment

Clean with equipment immediately after use. Do not allow material to set hard on equipment before cleaning.

Storage

Keep all containers sealed when not in use and protect from damp and heat. Stored under correct conditions hardener has an indefinite shelf life and resin will have a shelf life in excess of one year. If use in cold conditions is expected store at 20-25°C.

Health and Safety

Resin is inflammable with a flash point of 32 0C. Do not permit smoking or naked flame and maintain adequate ventilation in the vicinity of the working area. Avoid contact with skin and eyes by use of protective clothing and goggles. If skin contact should occur, remove material with paper towel; apply a resin removing cream and wash with soap and water. Never use solvents for cleaning skin, as it will have a de-fatting effect. If contact with eyes should occur irrigate immediately with copious quantities of clean water and seek medical attention without delay.

Reference should be made to the separate ADAWALL MANHOLE LEVELLING COMPOUND Health and Safety literature.