

# NUPATCH BEDDING MORTAR HA104

## Rapid Setting Repair Mortar

### Description

A pre-blended shrinkage compensated cementitious bedding mortar characterised by its rapid strength development which enables work to be carried out with the minimum of disruption. Ideal for the bedding and raising of manhole frames, fixing of street furniture and as a rapid setting repair mortar. Compliant with HA104/02 for the Bedding of Chamber and Gully tops.

### Applications

- Bedding and raising of manhole frames.
- Fixing of street furniture.
- Rapid setting of posts, railings, lampstandards etc.
- Rapid setting repair mortar.
- Rapid setting bedding for copings.

### Technical Information

Temp	Usable Life (mins)	Compressive Strength N/mm <sup>2</sup>				
		2hr	3hr	24hr	7day	28 day
20°C	15m	34	40	50	65	75
Flexural Strength		3 hr	6.0 N/mm <sup>2</sup>			
		24 hr	8.3 N/mm <sup>2</sup>			
		7 day	11.2 N/mm <sup>2</sup>			
Modulus of Elasticity in Flexure		3 hr	24.5 GN/m <sup>2</sup>			
		24 hr	26.76 GN/m <sup>2</sup>			
		7 day	28.6 GN/m <sup>2</sup>			

Typical compressive strength results in N/mm<sup>2</sup> using 70mm cubes tested in accordance with BS1881 Part 4.

Tensile Strength:	5.2 MPa @ 3 hours
Water Addition:	2.0 ± 0.25 litres per 25 kg pack
Density:	2250 ± 100 kg/m <sup>3</sup>
Yields:	Approx. 12 litres per 25 kg pack

### Advantages

- Rapid setting characteristics.
- Chloride free.
- Excellent workability and finishing properties.
- Simple to use, only requires addition of water.
- Ideal for use in cold, wet conditions.
- Low water/cement ratio.
- Shrinkage compensated.

### Surface Preparation

1. Ensure surface is clean, free from laitance, loose material, grease or oil. If necessary "hack out" until a clean, sound surface is obtained, preferably cutting the edges square rather than feather edging.
2. Thoroughly moisten surface but ensure no free water remains.

### Mixing & Placement

Nupatch Bedding Mortar HA104 should be mixed with clean water adding the Nupatch Bedding Mortar HA104 to the water until the desired consistency is obtained. Place the mix to the desired thickness and immediately bed in the component. Minimum bed thickness 10mm. Finish as required and immediately clean all equipment with water.

### **Packaging**

Nupatch Bedding Mortar HA104 is available in 25 kg packs. (Yield approximately 12 litres).

### **Storage**

Nupatch Bedding Mortar HA104 should be stored in dry conditions and protected from damp.

### **Health & Safety**

Non-flammable, normal precautions should be used as with all cementitious materials.

### **Limitations**

Excessive water addition will reduce strength and possibly induce shrinkage cracking as experienced with all cementitious compounds. Due to the fast setting nature of the product, strength development is very dependent on ambient temperature.

### **Technical Support**

Through our technical department and laboratories we can offer a comprehensive service to specifiers and contractors.

Technical representatives are available throughout the UK to provide further information and arrange demonstrations.



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