



WATMAT®

QUICK SETTING MORTAR FOR LEVELLING MANHOLE COVERS AND FOR REPAIRS FOR IMMEDIATE USE.

Description

WATMAT is a quick setting mortar, factory mixed with special cements, silica and additives. It is ready for use for levelling newly constructed manholes and urgent repairs to factory floors.

Advantages

- For emergency repairs and resetting manhole covers on streets, public roads and concrete factory floors.
- Traffic can pass over the repair within two hours of application.
- Just mix with water.
- The addition of MAXCRYL to the mixing liquid produces an even stronger mixture.
- It adheres well to the substrate and its grey colour blends in with the concrete.
- It is non-toxic and odourless which makes WATMAT an ideal product for areas with little ventilation.
- Waterproof. Very low water absorption.



How to use

Surface preparation

The concrete substrate should be free from all loose particles, dirt, grease, oil or other contaminants. To achieve this, the surface should be bush hammered or grit blasted so as to expose good clean sound concrete.

Application and Mixing

For vertical patching and repair work **WATMAT** can be mixed with clean water and trowel applied. However, for a high performance finish and floor treatments, the inclusion of **MAXCRYL** into the mixing water at a rate of 1 part **MAXCRYL** to 3 parts water is necessary.

Setting

Once mixed to a mortar consistency, **WATMAT** can take from 5 to 20 minutes to set, according to the climatic and surface temperatures. Trials should be carried out to establish that whatever quantities you mix can be applied before the material starts to set.

Mixing

Mix the required amount of **WATMAT** with clean water. AS a guide, 25 Kg **WATMAT** requires between 4.3 and 4.6 litres of water.

Application

Mix the required amount of **WATMAT**, place it around the perimeter of the hole, place the levelling tool on top and inside. After twenty minutes the manhole cover can be put on, finishing with the final asphalt coat.

Types

In warm weather use **WATMAT "S"** and in cold weather, where temperature is lower than 15 degrees C, use **WATMAT "W"**. Both of these types of **WATMAT** can be used together, either mixed together or in separate applications. They are completely compatible and there is no colour difference.

Suggestions

- Do not apply at temperatures below 5° C or on freezing surfaces.
- Do not re-use previously mixed amounts of **WATMAT**.
- Use only clean water.
- Do not mix **WATMAT** with other products.
- Do not re-temper.

Technical Facts

Characteristics:

Form	Powder
Colour	Grey
Powder density	1.31 (kg/dm)
Set density	2.30 (kg/dm)
PH	12.2
Elasticity Module	290.000 (kp/cm ³)
Setting time	15/20 minutes
Quantity	Approx. 25 kg fills a 5 cm level in 1 m. diameter hole
Storage	In a dry place, protected from humidity
Storage time	6 months

Mechanical resistance:

AGE	FLEXOTRACTION Kp/cm³	COMPRESSION Kp/cm³
1 Hour	28	100
2 Hours	30	127
4 Hours	31	136
1 Day	38	151
28 Days	59	398

Test no. 14.896 Eduardo Torroja Institute from Madrid.

Chemical Resistance to different solutions:

TEST LIQUIDS	REMARKS AFTER 28 DAYS OF IMMERSION
Water	Without apparent change
Sodium Hydroxide at 10%	Without apparent change
Sulphydic acid	Without apparent change
Gasoline	Without apparent change
Mineral oil SAE 30	Without apparent change
Xileno	Without apparent change
Methyl ethylcetone	Without apparent change
Trichloroethylene	Without apparent change

Test no. 15.463 Eduardo Torroja Institute from Madrid following pattern ASTM 267.

Packaging

25 Kg bag or pail.

Precautions

WATMAT is abrasive and during preparation protective rubber gloves should be worn, If any splashes into the eyes, clean with water thoroughly, do not rub. If irritation continues seek medical advice.

Guarantee

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO** reserves the right to introduce changes without prior price. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. The data shown on consumptions, measurement and yields are for guidance only and based on our experience. These data are subject to variation due to the specific atmospheric and jobsite conditions so reasonable variations from the data may be experienced. In order to know the real data, a test on the jobsite must be done, and it will be carried out under the client responsibility. We shall not accept responsibility exceeding the value of the purchased product. For any other doubt, consult our Technical Department. This version of bulletin replaces the previous one.

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Address: PO Box 649, Padstow, NSW 2211, AUSTRALIA
Tel: +61 2 9771 0011 Fax: +61 2 9771 0111
Email: [Click here](#) ABN: 80 003 944 803
National Hotline: 1300 303 301 National Faxline: 1300 369 932

	SwepDri International	ABN 80 003 944 803
	ADDRESS PO BOX 694 PADSTOW NSW 2211 AUSTRALIA	TEL: + 61 2 9771 0011 FAX: + 61 2 9771 0111 WEB: www.swepdri.com.au EMAIL: info@swepdri.com.au