



WATMAT®

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



DESCRIPTION

WATMAT® is a product ready to use, prepared with special cements, silica sand and additives that allows to obtain a quick setting mortar for levelling newly constructed manholes and urgent repairs on concrete floors.

APPLICATION FIELDS

- For resetting and levelling manhole covers on streets and public roads and concrete factory floors.
- Anchorage of fixing metal elements for placing stones on facades.

- Levelling and thickness increase on ramps and terraces.
- Bedding mortar for tile pavement and blocks.

ADVANTAGES

- Traffic can pass over the repair within two hours of application.
- Only needs water for mixing.
- The addition of **MAXCRYL**[®] (Technical bulletin n° 03) to the mixing liquid produces an even higher performance mortar.
- It adheres very 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 poor ventilation.
- Waterproof. Very low water absorption.

APPLICATION INSTRUCTIONS

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 brush hammered, grit blasted or treated by other mechanical method, so as to expose good clean sound concrete.

Saturate surface with water but do not leave standing water before applying **WATMAT**[®].

Mixing

Mix the required amount of **WATMAT**[®] with clean water. A 25 kg bag of **WATMAT**[®] requires between 4,3 and 4,6 litres of water. In floor treatments, for the optimum adhesion and curing the inclusion of **MAXCRYL**[®] into the mixing water at a rate of 1 part **MAXCRYL**[®] with 3 parts of water can be used.

Application

Once mixed **WATMAT**[®], place it around the perimeter of the hole. Afterwards the metallic support must be placed on top of the mixture, the levelling tool need to be used on top and inside. After twenty minutes the manhole cover can be put on, finishing with the final asphalt coat.

Application conditions

In warm weather use **WATMAT**[®] "S" and in cold weather, when temperature is lower than 15 °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.

Do not apply with temperatures below 5 °C nor when is expected within 24 hours of application.

Cleaning

Tools and equipment should be cleaned immediately with water before **WATMAT**[®] sets. Once hardened, can be only removed by mechanical methods.

CONSUMPTION

The estimate consumption of **WATMAT**[®] is approximate 1,7 kg/ m²/ mm thickness. One kg fills approximately 0,59 litres of volume. Approximately 25 kg bag fills a 5 cm level in 1 m diameter hole.

IMPORTANT INDICATIONS

- Do not re-use previously mixed amounts of **WATMAT**[®]. Do not add more water during the application time.
- Do not mix **WATMAT**[®] with other compounds. Use only clean water.
- Do not exceed the quantities of mixing water recommended.
- For any application not specified in this technical bulletin or further information is required, consult our Technical Department.

PACKAGING

WATMAT[®] is supplied in 25 kg bag and drums.

STORAGE

Six months in bags and twelve months in drums, in its original un-opened packaging in a dry and covered place, protected from humidity and frost, with temperatures above 5 °C.

SAFETY AND HEALTH

WATMAT® is not a toxic product but it is an abrasive product, so protective rubber gloves and safety goggles must be used to apply it. In case of skin contact, wash affected areas with soap and water. In case of eye contact, rinse thoroughly with clean water but do not

rub. If irritation persists, seek medical attention.

For further information, Safety Data Sheet of **WATMAT®** is available by request.

Disposal of the product and its empty packaging must be made by final user and according to official regulations.

TECHNICAL DATA

Characteristics of the product		
Appearance and color	Grey powder	
Powder density (g/cm ³)	1,3	
Setting time at 20 °C (minutes)	25 -35	
Characteristics for the cured product		
Elasticity module, (MPa)	290.000	
Water absorption after immersion for 28 days (%)	3,4	
Mechanical Strength		
	Flexotraction (MPa)	Compressive (MPa)
1 hour	2,8	10,0
2 hours	3,0	12,7
4 hour	3,1	13,6
1 day	3,8	15,1
28 days	5,9	39,8
Chemical resistance to different aggressive dilutions. (ASTM – 267)		
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	
Xylene	Without apparent change	
Methyl ethyl ketone	Without apparent change	
Trichloroethylene	Without apparent change	

GUARANTEE

The information contained in this leaflet is based on our experience and technical knowledge, obtained through laboratory testing and from bibliographic material. **DRIZORO®, S.A.** reserves the right to introduce changes without prior notice. Any use of this data beyond the purposes expressly specified in the leaflet will not be the Company's responsibility unless authorised by us. We shall not accept responsibility exceeding the value of the purchased product. 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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