



Masterflex

Catalog Number: Y27401, Y27402

Highly elastic polymer modified bitumen waterproofing, designed for cold application by brush

Product description

Masterflex is a water-based single-component polymer bitumen sealant, modified by quality polymers.

Product Uses

- ✓ Waterproofing underground spaces and surfaces such as beams and foundation walls, plinth walls, retaining walls, basement walls and pile heads.
- ✓ Waterproofing hanging balconies (up to 15 M²).
- ✓ Waterproofing wet rooms' floors.
- ✓ Waterproofing external walls before stone cladding using the dry cladding technique.

Other applications

- ✓ Waterproofing manholes and underground piping.
- ✓ Waterproofing walls made of concrete, blocks, cement boards, etc.

Packaging

18 kg pails



Advantages

- ✓ Resistance to standing water.
- ✓ Forms a strong, homogeneous, elastic, seamless waterproofing layer.
- ✓ Able to bridge dynamic cracks.
- ✓ Excellent adhesion to concrete.
- ✓ Suitable for spraying and spreading.
- ✓ Quick and easy application.
- ✓ Blocks Radon gas migration.
- ✓ Water-based, environmentally friendly.
- ✓ Green Standard Certified.

Technical Specifications

Test type	Test Results	Testing techniques
Appearance	Paste - dark brown, outcome - black	
Specific weight (gr/ml)	1.17	
Solids percentage	> 64%	
Weight required to achieve 1 mm dry film thickness	2 kg/M ²	
Application temperature	> 5°C	
Heat resistance	> 250°C	ASTM D2939
Elasticity in cold temperature	< -10°C	ASTM D522
Tensile strength	> 0.1	ASTM D412
Elongation	> 500%	ASTM D412
Resistance to ponding water	Resistant	ASTM D2939
Resistance to water pressure	0.5 atm., 24 hours	ASTM D571
Recovery after elongation of 540%	85%	ASTM D412
Bacterial assault in items buried in the ground	Resistant	ASTM D3083
Blocks Radon gas migration	Blocks	

Consumption

The following table displays the estimated area (in M²) that can be covered by application of Masterflex, according to the type of packaging and thickness of the final dry waterproofing layer:

Dry film thickness (mm)	2	3	4
Pail	4.5	3	2.25
Application quantity (*)	4	6	8

() Quantity in kg/M². Note - Application according to the above-mentioned instructions.

Method of use

Preparing the area

- ✓ Verify that the surface to be waterproofed is clean and free of loose parts, dust, casting shells, concrete morsels, oil and any other foreign substance that may impact adhesion. Holes should be filled with polymer modified grout. Holes in the concrete may result in bubbles after application, especially in walls exposed to direct sunlight. Protruding concrete parts should be ground to the actual level of the concrete. Protruding concrete may result in material leaking after application.
- ✓ The primer should be applied on dry, smooth, clean bedding.
- ✓ Apply Pazkar's Paz Yesod diluted at 1:1 in water, (in accordance with the primer's application instructions) in a quantity of 300 gr/M².
- ✓ Wait for about 1-3 hours until it is dry to the touch. Waiting time for drying may change according to weather conditions (humidity, temperature, etc.)

Method of application

We recommend applying MASTERFLEX using a brush, roller or wiper.

a) Underground waterproofing

We recommend applying MASTERFLEX in 3 coats at a ratio of 2 kg/M² each, and wait for at least 6-8 hours between the first and the second coats and for about 24 hours between the second and the third coats, consideration the weather conditions. After application is complete, allow the material to dry for about 48 hours, consideration the weather conditions, before covering with refill.

Protect the waterproofing layer prior to returning the soil filling using a non-woven geotextile fabric, as aforementioned, in addition to various PazDrain protective sheets marketed by Pazkar. Soil

compaction is to be implemented only with a manual compactor up to a distance of 2 meters from the wall, as required in the Inter-Ministerial Specifications for construction jobs (chapter - 05). In any event, mainly in (even partial) clay soil environments (even partial), use Pazdrain FLT500 type protective sheets in order to prevent the waterproofing system from being pulled downwards during the filling and compaction of the soil around the building. The geotextile fabric may be spread over the waterproofing layer when it is still soft but not immediately after spraying, while fixation is to be from the top and above the upper sealing level. To the extent the sealed construction is below the groundwater level, consult a waterproofing consultant and/or the material's manufacturer.

b) Waterproofing floors of wet rooms

(showers, bathrooms, etc.) and hanging balconies

we recommend applying 2 coats of MASTERFLEX at a ratio of 2 kg/M² each, and waiting for at least 8-6 hours between the first and the second coats, consideration the weather conditions. After applying the second coat, allow it to dry for at least 48 hours, consideration the weather conditions. Protect the waterproofing layer before continuing works (flooring, etc.), using non-woven geotextile fabric. Watertightness test (flooding) is to be performed at least 7 days after the end of application of the top coat.

c) Waterproofing external walls before stone cladding using the dry cladding technique

We recommend applying two coats of MASTERFLEX at a ratio of 2 kg/M² each, and waiting for at least 24 hours between the first and the second coat, consideration the weather conditions. To prepare stone fixing pegs and other execution items, we recommend following Pazkar's special specifications for such works.

Method of use - continued

Method of application - continued

Watertightness test (wall sprinkling) is to be performed at least 7 days after the application of the waterproofing layer.

In any event involving a waterproofing planner or consultant, their instructions must be followed. In the event of conflict between the instructions of the planner/consultant and this document, immediately alert all relevant entities.



Safety instructions

- ✓ Before using the product please read the safety data sheet (SDS) that can be received in Pazkar LTD Company.
- ✓ Not for human consumption.
- ✓ When using the material, use personal protective equipment (appropriate clothing, gloves, protective glasses/ face mask).
- ✓ Wash your hands with soap and water immediately after use.

Remarks

- ✓ Make sure to use only a Paz Yesod made by Pazkar, and according to the above mentioned instructions.
- ✓ MASTERFLEX is ready to use and should not be diluted with water or any other substance. To the extent the material is thick, we recommend stirring it before use or diluting with 0.5 kg Paz Yesod.
- ✓ Do not apply when the ambient temperature is lower than 5°C or exceeds 40°C.
- ✓ We recommend ventilating closed places during and after application.
- ✓ Do not apply when rain is expected within 72 hours from completion of application.
- ✓ Store in a cool, shaded place.
- ✓ Do not store in temperatures lower than 5°C.
- ✓ Clean tools immediately after use with mineral turpentine made by Pazkar.
- ✓ MASTERFLEX is non-flammable and does not contain dangerous solvents.

For Safety detailed instructions please refer to Pazkar's safety sheets (MSDS)

Warranty

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