



**SINGLE-COMPONENT FLEXIBLE
MORTAR
FOR WATERPROOFING OF CONCRETE
AND MORTAR STRUCTURES, SUITABLE
FOR TANKS
DRINKING WATER**

MR NOWA



Description

MR NOWA, it's a technical mortar flexible single component thin film, waterproof and breathable based on polymer cement presented in the form of grey/white powder and ready to mix with water. Suitable for drinking water tanks.

Uses and fields of application

Can be used with or without armor, on concrete, mortar, stone supports, fiber cement and is indicated for:

- Waterproofing of tanks, swimming pools, channels, etc.
- Interior waterproofing in basements.
- External waterproofing of walls buried.
- Repair and protection of surfaces exposed to the action of ice and the de-icing salts: bridge parapets, terrace and roof overhangs, cornices, etc.
- Protection of concrete structures in marine environments.
- Water tank waterproofing drinking.

Special cautions

- Do not apply the mortars with an ambient temperature below 5°C and above 30°C.
- The existing expansion joints in the building must be respected, using the appropriate execution procedures
- During the installation of the system, it is recommended to protect the application

from direct sun radiation to prevent possible dehydration of the material.

- Materials should not be applied in in case of strong wind, rain or in case of forecast of rain or frost during the period of drying the mortars.
- In the case of waterproofing of tanks with a capacity of less than 8,000 litres is recommended, prior to start-up, fill the tank and proceed to empty it at 24h.

Consumption

The consumption per layer is 1.2 kg of powder per m² and m/m thickness.

Packaging

Supplied in 25kg bags. Pallet of 50 units. Total 1250kg.



MR Nowa

SINGLE-COMPONENT
FLEXIBLE MORTAR
FOR WATERPROOFING OF
CONCRETE AND MORTAR
STRUCTURES, SUITABLE FOR
TANKS
DRINKING WATER

MR NOWA



APPLICATION RULES

Substrates

- Stripped concrete,
- Concrete blocks (solid or hollow),
- Ceramics,
- Traditional cement-sand mortars,
- Cellular cements (autoclave)
- Expanded clay mortars,
- Other supports (consult).

Preparation of the product

- In all cases it is essential to carry out the application on dry, clean, unencumbered surfaces and other materials.
- Avoid application in the presence of moisture.
- On cement-based surfaces such as concrete, mortar, etc. must be fully cured (+/- 28 days) and free of moisture.
- Do not add any additives to the mixture.
- Depending on the existing support, the treatment must be carried out of proper preparation.
- Previous application of the cement-base membrane should repair cracks if they exceed 1 mm in diameter thickness.

Single point treatment:

After application of the membrane flexible cement-base all the unique points, such as floor/wall junctions, 90° reverse angles, expansion joints, cracks or drains, must be treated adequately to ensure the proper functioning of the subsequent waterproofing.

Preparation of the product

From 5.75 to 6.25 lts. per 25 kgs. sack (23/25%), mechanical agitation at 500 r.p.m. for 3 minutes and let it rest for about 5 minutes.

Application product

Floor - wall junctions: All right angles (90°C) present in the application area must be pre-treated with the waterproofing strip.

1. Knead MR NOWA and apply a coat of approximately 1 mm thick in the vertical and horizontal area where the waterproofing strip.
2. While the product is still fresh, place the band by completely embedding it in the previously applied product. The elastic zone of the band must not be adhered to the substrate, being loose, thus being able to absorb the possible movements from the stand.
3. Apply a second coat of MR NOWA covering the mesh of the waterproofing strip.
4. Allow to dry for at least 2 hours after applying the remaining waterproofing.

SINGLE-COMPONENT
FLEXIBLE MORTAR
FOR WATERPROOFING OF
CONCRETE AND MORTAR
STRUCTURES, SUITABLE FOR
TANKS
DRINKING WATER

MR NOWA



IMPLEMENTATION RULES

Expansion joints:

Expansion joints: Structural expansion joints, if they exist, they must be respected to accompany the movements of expansion and contraction of the structure. These joints are saved with the waterproofing strip. The installation of the band will be performed as described above. Only it should be noted that the waterproof part of the band should have a slight undulation, maintaining an inverted "omega" shape (Ω) within the expansion joint. Once the waterproofing has been applied, the joint will be filled with ECOMASTIK, a highly flexible putty.

Application of the flexible cement-base membrane: The application of the flexible cement-base membrane, MR NOWA, will be in two crossed hands ensuring a minimum final thickness 4mm application area (approximately 4.8 kg of product per m²) The application will be done by brush or trowel ensuring a homogeneous thickness of the application.

The application process will be as follows: 1. Application of a first coat of MR NOWA on the entire surface to be waterproofed, ensuring a homogeneous thickness. 2. Placement of the PAVINET mesh in the entire application surface overlapping at the single points (half rods, etc) with the waterproofing strip. The overlap of the different mesh strips must be at least 10cm. Make sure that the mesh is fully embedded in the first fresh coat of waterproofing. 3. Allow to dry for about 1 hour and apply a second coat with a homogeneous thickness over the entire surface, ensuring the recommended minimum. Use a sponge trowel to trowel the surface and close the pore.

Allow to dry for the set time depending on the end use.

Applying the final finish: The MR NOWA flexible system can be directly coated with adhesive cement and ceramic. For this, the use of flexible glue mortar is recommended, GLOBALFIX S1, and the high-performance grouting MJUNT F.

In the case of cisterns, wait at least 7 days before filling the deposit or put into use the waterproofed area.



Application with flat



Brush application

SINGLE-COMPONENT
FLEXIBLE MORTAR
FOR WATERPROOFING OF
CONCRETE AND MORTAR
STRUCTURES, SUITABLE FOR
TANKS
DRINKING WATER

MR NOWA



TECHNICAL DATA characteristic values

Product identification data

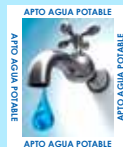
Consistency:	powder
Mixed appearance:	semi-solid paste
Mix color:	White/grey
Solid content (%):	100

Application data

Mixing ratio:	From 5.75 to 6.25 l per 25 kg bag. (23/25%)
Mix consistency:	fluid or spatulable (depending on the ratio A and B)
Density of the mixture (kg / cm ³):	1.470
Mixing duration (min.):	60'
Application temperature allowed:	de +5°C a +30°C
Operating temperature:	de -30°C a +90°C
Time for contact with water:	7 days
Dry time to touch:	2-3h
Interval between layers:	2-3h
Maximum performance:	28 days

Final features

Direct tensile adhesion EN 1542: > 1 N / mm²
Liquid water permeability EN 1062-3: 2008: Class III W < 0.1kg / m² * h0.5
Water vapor permeability EN ISO 7783: 2012: Sd <5 m. Class I
Reaction to fire EN 13501-1: E
Potability: APT. Annex I of royal decree 140/2003



* These times can vary considerably depending on the room temperature.

SINGLE-COMPONENT
FLEXIBLE MORTAR
FOR WATERPROOFING OF
CONCRETE AND MORTAR
STRUCTURES, SUITABLE FOR
TANKS
DRINKING WATER

MR NOWA



SAFETY AND HYGIENE INFORMATION

No está clasificado como peligroso según la normativa actual en materia de mezclas. Para cualquier información referida a cuestiones de seguridad en el uso, manejo, almacenamiento y eliminación de residuos de productos químicos, los usuarios deben consultar la versión más reciente de la Hoja de Seguridad del producto.

Los envases vacíos deben ser eliminados de acuerdo con la normativa legal vigente.

Empty containers must be disposed of in accordance with current legal regulations.

STORAGE CONDITIONS

The life time of the material is 12 months from the date of manufacture provided it is kept in a dry place and protected from the weather.

NOTE: The instructions for use are made according to our tests and knowledge and are not binding. They do not free the consumer from the examination and verification of the products for their correct use. The company's liability will be limited to the value of the merchandise used.

SPECIFICATION DATA

Application of a flexible, one-layer, waterproofing, waterproofing and breathable polymeric cement-based technical mortar presented in the form of a gray / white powder and ready to mix with MR NOWA water from Ecolanic. Suitable for water tanks potable. Applied by brush, trowel or by projection through crossed layers reaching a thickness of 4mm.

The product must meet the following requirements:

Direct tensile adhesion EN 1542: $> 1 \text{ N} / \text{mm}^2$

Liquid water permeability EN 1062-3: 2008: Class III $W < 0.1 \text{ kg} / \text{m}^2 \cdot \text{h} \cdot 0.5$

Water vapor permeability EN ISO 7783: 2012: $S_d < 5 \text{ m}$. Class I

Reaction to fire EN 13501-1: E

Potability: APT. Annex I of royal decree 140/2003