

# MARMO BARRIER W

## SECTION 1: Identification of the substance/mixture and of the company/ undertaking

### 1. Product identifier: MARMO BARRIER W

Manufacturer / Importer / Supplier:

**ANAV INDUSTRIES**

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Marketed By:

**Marmo Solutions Pvt. Ltd.**

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### 2. Marmo Barrier W:

Marmo Solutions Pvt Ltd “Marmo Barrier W” – water base is ready to use weather resistant and non- yellowing impregnation based on high-quality organic active substances. The product is absorbed by the stone due to the capillary forces, however, without closing the pores. The product is characterised by following properties:

### 3. Characteristics:

- Very fast development of protective effect
- Distinctive nano effect
- No or only low colour enhancement
- Excellent oil- and grease repellent effect
- Excellent reduction of water – and dirt absorption during periods of moisture
- Fast liberation of humidity during dry periods due to high vapour permeability
- Evidently low adhesion of paints on treated stone surfaces

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- Anti-graffiti effect
- Maintenance of breathing properties because there is no surface layer
- Tack-free hardening
- Resistance to UV radiation
- After being hardened the product is harmless to health upon contact with food products
- No release of methanol during hardening

### 4. Application Area:

- Water – grease – and oil repellent treatment of mineral building and countertop material; e.g. natural stone, quartz surface, and artificial stone (polished ground or rough surfaces of marble, lime stone, granite, gneiss, porphyry, cotto, terrazzo, fine s toneware, concrete, cement tiles, unglazed ceramic tiles, etc.).
- The product is especially used in kitchens (coatings, working plates), bathrooms (wash tables, marble tiles ), for tables, window sills, tile joints, facades (anti graffiti)

### 5. Usage Process:

- **Cleaning:** The Surface must be clean, dry and free from all layers. Depending on the type of the stone and the degree of soiling, the following Marmo Solution Pvt Ltd Products are recommended : Marmocleaner mild, marmocleaner heavy, Marmo natura cleaner, Marmo Magic stainout and marmot magic dry. In case after cleaning rinse well with water, before the stone is given its protective treatment, it must be totally dry. As a rule, this is the case after 1-2 days at the earliest.
- **Preparation of sample are :** Before starting we recommend to prepare a sample area of 1-2m<sup>2</sup> in order to examine the efficiency of the impregnation, to evaluate the appearance of the treated object (colour enhancement) and to ascertain the material consumption as exactly as possible.

### 6. Impregnation Procedure:

- (a) Shake well before use. The best condition for impregnating is a temperature of 15-25°C and protection from humidity for approx 2-3 hours. The stone must not be warmed p by an underfloor heating or direct sunlight.
- (b) The impregnating effect is sufficient for fissures which are smaller than 0.3mm.
- (c) In general, one to two appliances wet-in-wet are sufficient.
- (d) Apply the product with a brush or a mop. Airless spraying equipment with low pressure (max 1 bar over pressure) is suitable for treating cades using the flooding (multiple-coat) method and a jet distance of 5-10 cm (condition: tubes and seals must be resistant to solvents). The impregnation is applied until it runs down 40-50 cm.

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(e) Approx. 20 minutes after application, respectively before drying of the impregnation on the surfaces, any excess which has not been absorbed by the stone has to be completely removed with a suitable cloth. Polished surfaces must additionally be polished again until any blooming on the surface is removed.

(f) If the desired effect is not achieved or if the impregnation has been applied unevenly, it is possible to apply the impregnation once again. The water-repellent effect develops after a few minutes, full protection after 2-3 hours.

(g) Sufficient ventilation (approx 2-3 days) is necessary when using the product in food areas.

(h) Tools can be cleaned with any solvent.

### Notes:

- If Stored at temperature below 15°C the product tends to thicken. By warming to approx 20°C it becomes fully liquid and homogenous.
- Unsuitable or aggressive cleaning agents as well as pressure washers may destroy the impregnation and the stone. We recommend using Marmo Solutions Pvt Ltd "Marmo Crystal Clean" for the regular cleaning. Even on stone surfaces impregnated with Marmo Barrier, it is possible that spots are forming after a long time of exposure to aggressive products (e.g. juice, vinegar, alcohol or cosmetics). Yet, this formation is by far lower as on surfaces not being treated with Marmo Barrier. Spots can be avoided by immediately removing these aggressive products.
- Special protective measure in case of spray application: avoid formation of aerosols and risk to third parties. Do not breathe vapours (protective mask)
- An impregnation with Marmo solutions pvt ltd "Marmo Barrier" prevents with stone from staining respectively the development of these spots will be delayed considerably. Should they nevertheless appear, the surface can be cleaned much more easily.
- Ensure sealing of the reverse side and lateral surfaces of the stone, so that rising moisture cannot penetrate into the stone. In this context we recommend the use of Marmo solutions pvt ltd "Marmo SBR-47"
- If the treated areas are cleaned, a drying time of 1-2 days (depending on the temperature) is necessary.
- Product which has been inaccurately applied, can possibly be removed with Marmo Solutions pvt ltd "Marmo Poxo remover"
- Protect synthetic materials which are not resistant to solvents, e.g. window screens parts to be varnished or objects in the area of working

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- On some natural stones like e.g. Nero assoluto or nero impala the stone-imminent structures may be stronger intensified than the residual stone surfaces if treated with “Marmo Barrier” . This might be seen as staining, however, the colour intensification is not product defect but is attributed to the characteristics of the stone.
- Existing joints must be tested in view of their resistance to solvents, In case wetting agents had been used to smoothen joints fillers, they must be removed prior to application of the impregnation.
- When applying the product correctly it is not hazardous to health.
- Marmo Barrier is not suited for glazed and non-absorbent surfaces or plaster.
- A surplus of the product causes blooming and spotting
- Surfaces to be treated must be protected against direct solar radiation
- For proper waste disposal the container must be completely emptied.

### 6. Technical Data:

- Coverage: 10 - 100 sqft/ltr approx– depending on the absorptive capacity of the stone.
- Colour: Transparent Yellowish
- Density: Approx 0.78 g/cm<sup>2</sup>

**7. Storage:** 2 years if stored in cool place free from frost in its tightly closed original container.

**8. Health & safety:** Read material safety data sheet before handling or using this product.

**Notice:** The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trails of the product, in an inconspicuous area or fabrication of a sample piece.

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