

## Directions for Use MW-Protect® WGC

MW-Protect® WGC is a high-tech, water-based impregnation, made from high-performance materials using innovative technology. The nano-scaled ingredients penetrate even the smallest pores and capillaries, thereby sealing and impregnating the surface effectively, without altering its visual appearance. MW-Protect® WGC therefore provides lasting protection from chemical and mechanical impacts under even most extreme conditions.

### For best results, proceed as described below:

#### 1.) Preparation of the surface

- The surface has to be clean and free of loose particles and separating substances.
- The humidity of the surface must be beneath 4 %. Concrete surfaces have to be older than 28 days before the coating is applied.
- Pre-clean soiled surfaces with a pressure washer or stream blaster.
- Defects in the construction (e.g. cracks) have to be repaired with appropriate measures before.

#### 2.) Application of MW-Protect® WGC

- Ambient temperature should be between 5 °C (41 °F) and 35 °C (95 °F). Only apply under dry conditions without direct solar irradiation.
- Apply the material from the bottom up to avoid inequalities due to run-off of excess material.
- Satisfy the surface with MW-Protect® WGC (100 to 250 g/m<sup>2</sup>, depending on the substrate). Fine pored, smooth surfaces will absorb less material than open pored ones.
- Method 1 : Application with brush or paint roller.
- Method 2 : Application with a compression sprayer (e.g. *Gloria 405 T*) or with a backpack sprayer (e.g. *Gloria 2012*).
- Method 3 : Application with airless or HVLP-systems (e.g. *Wagner SuperFinish* or *Wagner ProSpray*, *Graco HVLP* or *Graco ST-Max II*).
- On strongly priming substrates such as sand-lime brick, MW-Protect® WGC should be applied again max. 5 min after first application.
- Drying will take between 0.5 and 3 hours depending on the weather conditions.
- The impregnation will be completely functional after approx. 24 hours.

#### 3.) Cleaning of coated surfaces

- Clean soiled surfaces with cold, running water and soft brush.
- For heavy soiling use Erazé® Liquid from Company Chela ([mail@Chela.co.uk](mailto:mail@Chela.co.uk), +44 (0) 20 8805 2150).

#### 4.) Re-coating of stressed surfaces

- After intensive cleaning the impregnation has to be refreshed if the water-repellent effect of the surface insufficient.
- It is not necessary to remove residues of former MW-Protect® WGC coatings.
- After an efficient pre-cleaning, MW-Protect® WGC can be applied as described above.

## Technical Data Sheet of MW-Protect® WGC

Main Property:	water borne, water and oil repellent impregnation for absorbent surfaces.
Main field of application:	Marble, Granite and Tiles.
Unsuitable for:	Mineral surfaces with a humidity of more than 4 %. Non-absorbent, smooth surfaces (e.g. glass, glazed ceramics, metal, plastics) and mineral plaster.
Material basis:	Water borne dispersion.
Packaging sizes:	1 Liter, 25 Liter, 1000 Liter.
Storage:	Shelf life of at least 12 month in sealed original packing when stored between 5 °C (41 °F) and 35 °C (95 °F). Protect against frost and higher temperatures. Older materials should be tested again. Opened packages should be closed airtight. Ensure sufficient aeration inside the stockroom.
Colour:	Milky white.
pH-value	Approx. 4.
Mixing:	Not necessary – use as delivered from original packaging. Shake or stir before use.
Application:	As outlined in the directions for use – see above.
Consumption:	As outlined in the directions for use – see above.
Protective measures:	Carefully read notes and suggestions for safe working indicated on packaging; observe accident-prevention measures suggested by professional associations. See Safety Data Sheet for further information.
Processing temperature:	Between 5 °C (41 °F) and 35 °C (95 °F) air and object temperature. Drying within 24 hours maximum. Deviating conditions can influence the time for curing.
Cleaning tools:	Clean used tools with water.
Touching-up and re-coating:	The surface can be over coated in case of insufficient effectiveness.
Waste management:	Send in only completely empty packaging for recycling. Hand over packaging containing residues to a local collection centre (LAGA 55512, EWC 080101, OECD)
VOC-Value:	EU limit value (Class HA): 30 g/L (2010). This product contains less than 9 g/L according less than 0.9 weight percent.
Steam permeability	DIN EN ISO 7783-2: Class I. This product has a density of moisture flow rate of $S_D < 0.06$ m and is highly steam permeable

### Read carefully

The information on this data sheet is based on the current status of technical development as well as our experience with the product. However, given the variety of surfaces and ambient conditions, the information provided on this data sheet shall in no way diminish the responsibility of the user to ensure with due care, that our product is suited for the intended purpose, surface and application conditions. Note in particular, that we accept no liability in case where we have not explicitly stated application purposes and types of use.