



GRES PROTECTOR

Water/oil repellent protective based on water active as stain and dirt repellent for microporous stoneware surfaces



DESTINATION → Microporous porcelain stoneware surfaces (structured, natural, lapped). Applicable without distinction both **outdoor and indoor**, in floors or vertical coverings.

PROPERTIES → **GRES PROTECTOR** is a **water-based product, solvent-free and "VOC 0"**, based on nano-silicas and particular modified silanes. The product makes the treated materials **highly water and oil repellent**, giving anti-stain and dirt-repellent properties: **GRES PROTECTOR** protects the treated stoneware from the absorption of water, from the **stains of greasy and oily substances, inks**, from **dirt and dust, rubber residues** due to trampling and to the carting. **GRES PROTECTOR facilitates the cleaning of the surfaces** thus protected.

The active ingredients from which the product is made can chemically bind to the material, without creating surface films, creating an **invisible and imperceptible nanometric barrier**. The treated surfaces can be washed with common detergents for ordinary and extraordinary maintenance, even with detergent solvents or acid or alkaline pH detergents. **GRES PROTECTOR** in no way alters the chromatic appearance of the treated stoneware, it is resistant to weathering, external agents and UV rays.

USE → Apply the product only on perfectly clean, degreased and dry surfaces: it is essential to pay attention to the cleaning of the surfaces to be treated, as bad cleaning can influence the success of the treatment. **GRES PROTECTOR** is **ready to use** and must be applied pure, spraying a light veil of product on the surface to be protected and immediately smoothing the application of the product with a **soft cloth or spreader**. Work the surface using a **soft cloth or a single disc machine** with a white disk until the surface appears uniform and free from excess. Remove any further excesses with a damp soft cloth within 10 minutes. After spreading the first coat and smoothing it, wait 5/10 minutes and apply a second coat following the same procedures described above. If applied in flooring, **the surface will be walkable after 12 hours**. Wait at least 48 hours to assess the effectiveness of the protective treatment. It is advisable to carry out preliminary tests on the surface to be treated in order to avoid possible undesired effects.

YIELD → For indicative purpose: 20-25 sqm. per pack. *Values obtained from laboratory tests, in common practice can undergo even important variations.*

TECHNICAL DATA

- **APPEARANCE:** whitish liquid
- **pH:** 4,5 ± 0,5
- **SPECIFIC WEIGHT:** 1,06 Kg/l ± 0,1

PACKAGING

1CR053L05 → 12 x 500 ml plastic **SPRAY BOTTLE**

SPECIFICATION → Hydro and oil repellent protective based on nano-silica and modified silanes, specific for the hydro / oil repellent, stain-proof and dirt-repellent protection of microporous porcelain stoneware supports in general (as **GRES PROTECTOR** of CIR). It must make the materials hydro and oil repellent, avoiding the deposit and penetration of water, greasy and oily dirt and dust, facilitating subsequent cleaning operations ("Easy cleaner"). The particular formulation must allow an excellent adhesion of the product in the supports to be treated, without affecting their chromatic appearance, it must also have high resistance to UV rays and weathering. It must be reversible. It must be equipped with a 16-section safety data sheet as required by current legislation.

WARNINGS

- Product intended for professional use.
- Use temperatures: + 5 ° C / + 35 ° C
- Carefully protect the surfaces to which the product is not intended.
- Do not apply in conditions of impending rain or full sun.
- Equip operators as required by current safety regulations.

All information contained in our records correspond to our best knowledge of current techniques and cannot be considered binding or challenging as the real application conditions, verifiable case, may also result in major changes of both practices described above and the results obtained. Perform preliminary tests to determine if the product is suitable for the intended or not. We decline any liability for any damage resulting from improper use or misuse of the product. Do not litter in the environment. This data sheet replaces all previous versions.