



DEFENDER ECO



**Water-based hydrophobic impregnating agent
for the treatment of terraces and balconies**



DESTINATION → Floor joints laid on **terraces and balconies**, even tiled.

PROPERTIES → Product based on **siloxane resins** emulsified in an **aqueous system**, for the impregnating and hydrophobizing treatment of the **joints of terraces, balconies and external floors, even tiled**. The product has a **good degree of penetration** and has an **important and profound hydrophobic action**.

The elasticity of the siloxane resins allows the product to also hydrophobize the joints where **small cracks are present** (not exceeding one millimeter of thickness). The water-repellent action will prevent water (and the salts / pollutants dissolved in it) from penetrating inside the joints and **prevent their destruction by frost** during the winter. **DEFENDER ECO** is a **water-based product, ecological and totally solvent-free**, which does not change the chromatic aspect of the treated materials and has a **high resistance to UV rays**.

USE → Apply the product only on clean and dry grouts. Any cracks or cavities present in the joints with thickness greater than 1 mm **must be resolved**, by means of precise grouting, **before the intervention**. **DEFENDER ECO** must be applied pure, using a **low-pressure vaporizer**, a **soft brush in natural fibers** or a **roller** as required. Apply the product in **at least two successive coats**, wet on wet. For surfaces with high porosity, it is recommended to apply the product until the substrate is saturated. Apply evenly, avoiding surface stagnation of the product. On tiled and / or poorly absorbent surfaces, the excess of product must be removed with absorbent cloths and / or paper before drying (15-20 minutes). Wait at least 48 hours in order to evaluate the effectiveness of the treatment. Carry out preliminary tests on the surface to be treated in order to avoid possible side effects.

YIELD → In the case of **stone and cotto balconies**, indicatively **7 - 10 m²/lt** of product (complete treatment). In the case of **porcelain and ceramic tiles or clinker**, indicatively **15 - 20 m²/lt** of product (complete treatment).

TECHNICAL DATA

- **APPEARANCE:** whitish liquid
- **WATER ABSORPTION REDUCTION:** >80% *
- **SPECIFIC WEIGHT:** 1,00 Kg/l ± 0,1

* values obtained from laboratory tests, in common practice can undergo significant variations.

PACKAGING

- 1CR243L1** → 12 x 1 liter plastic **BOTTLE**
- 1CR243L5** → 2 x 5 litres plastic **TANK**

SPECIFICATION → Water-repellent impregnating agent based on special siloxane resins dispersed in aqueous emulsion, specific for the hydrophobic treatment of laying joints on terraces, balconies and external floors, even tiled (such as **DEFENDER ECO** by CIR). It must have a reduction in water absorption > 80%. It must not alter the chromatic aspect of the substrate, it must have high UV resistance and must be easily applied by brush, spray or roller. It must be reversible and be accompanied by a safety data sheet with 16 sections required by the regulations in force.

WARNINGS

- Product intended for professional use.
- Operating temperatures +10°C / +30°C.
- Thoroughly protect surfaces for which the product is not intended.
- Do not apply in conditions of high humidity, of impending rain and in conditions of full sun.

HAZARD AND PRECAUTIONARY STATEMENTS

CONTAINS: MIXTURE OF: 5-CHLORINE-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239-6]

HAZARD STATEMENTS "H":

H315 CAUSES SKIN IRRITATION

EUH208 CONTAINS MIXTURE OF: 5-CHLORINE-2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 247-500-7]; 2-METHYL-2H-ISOTHIAZOL-3-ONE [EC no. 220-239-6]. MAY PRODUCE AN ALLERGIC REACTION

PRECAUTIONARY STATEMENTS "P":

P264 WASH HAND AND GLOVES THOROUGHLY AFTER HANDLING

P280 WEAR PROTECTIVE GLOVES AND EYE PROTECTION/FACE PROTECTION

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.