

Technical Bulletin "MANGIARUGGINE" RUST REMOVER GEL Gel for removing rust stains on natural stones

Revised 07/2008 ARB

Description:

"MangiaRuggine" ("**RustEater**") is a gel product, especially formulated for the elimination of stains of rust on all lapideous materials such as marbles, granites, calcareous stones, slate, terracotta and ceramics. It does not contain acids and so, unlike other similar products, it can be safely used also on polished marbles, without ruining the shine. The "**RustEater**" Gel acts quickly and it removes rust without effort.

Technical Characteristics:

Appearance	Gel
Color	Light yellow-orange, semitransparent
Odor	Characteristic, with perfume
Specific gravity at 20°C	1,05±0,02
Hydro-solubility	Soluble
pH	7,5±0,2
Biodegradability	100%
Shelf life at 20° C (68° F)	12 months in original packing

Instruction for Use:

Wet in advance the surface with clean water. Then apply a 5 mm thick layer of "**RustEater**" on the stain of rust to be removed, using a spatula or a small shovel. Once the product has been evenly distributed on the stain to be eliminated, let "**RustEater**" work, it will turn its original semitransparent yellow-orange color into opaque dark violet. This coloring shows that the necessary reaction for rust removal has correctly occurred.

Time of activation of "**RustEater**" can considerably change, depending on the material on which it is applied and surface finish aspect. In general, on materials with shiny finish it is necessary to wait more time. In any case, it is suggested to perform preliminary tests for determine specific time of activation.

Once the reaction has happened, it is suggested to leave not the "**RustEater**" on treated material for more than 10 minutes, in order to avoid that reacted product could penetrate in the material. Rinse with abundant water and repeat the application if necessary.

Suggestion for Use:

- In case that, after first application, the stain is not completely disappeared, proceed to further applications.
- Read carefully the recommendations printed on label before use.
- Always perform a test before use.

All data indicated in this leaflet are the results of tests and experiments carried out in our laboratories and through reliable operators in the stone business and have to be considered reliable. Because of the many factors which can influence them, the information here reported do not constitute implicit or formal guarantees. The end user undertakes the responsibility in the usage of the product making sure to experiment the product characteristic as preventive measure.



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Application on surfaces:

Marbles, granites, terracotta, porphyry, cement, slate, concrete, ceramics, grès.

Safety procedures:

As far as the proper working procedures is concerned, we recommend to consult Material Safety Data Sheets issued according to E.U. rules and to follow your national laws concerning safety in the working place.

Coverage:

Coverage is subjected to intensity of stain to be removed. It is necessary to consider that “RustEater” is a particular product that should be applied only on small surfaces where there is an evident spot.

Packing:

Cardboards of: 15 tins of 1 litre (1,05 quart), 3 cans of 5 litres (1,32 gal), cans of 20 litres (5,28 gal.).

The composition of the tins is Polyethylene High Density (HDPE). After use, comply with the local and national regulations currently in force regarding recycling.

Our packing is conformed as per U.N. rules for inland transport (A.D.R.) and by sea (I.M.O.) for transportation via air refer to updated rules (I.A.T.A.). For further information regarding transport please check MSDS.

Harmonized Custom Tariff:

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