

Title (en)
BIO-CLEANSING KIT AND METHOD FOR REMOVING BIOFILMS FROM SUBSTRATES

Title (de)
BIOREINIGUNGSKIT UND VERFAHREN ZUR ENTFERNUNG VON BIOFILMEN VON SUBSTRATEN

Title (fr)
KIT DE BIONETTOYAGE ET PROCÉDÉ D'ÉLIMINATION DE FILMS BIOLOGIQUES DE SUBSTRATS

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Abstract (en)
[origin: WO2017037602A1] The present invention relates to an enzymatic bio-cleansing kit suitable to remove biofilms as molds, algae, bacteria, lichens and similar organisms from substrates, preferably from stone-like substrates such as marble surfaces. Furthermore, the present invention discloses a method based on said enzymatic bio-cleansing kit for removing pre-existing biofilms from surfaces without affecting the integrity of the substrate and optimizing times and costs in surface maintenance. Said kit and method find application in many areas and particularly in the fields of fine art and cultural heritage as an alternative to traditional biocides e.g. in the maintenance of delicate and valuable objects such as mosaics, archeologic sites, ancient tapestries, or other works of art. Advantageously, the kit according to the present invention is easy to make and use in various embodiment, one of them allows enzyme recovery. In addition, it is safe for the users, the substrate and the environment.

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