

# MARBLE AID XT

Protective treatment that guards surfaces against the contact and aggression of acids and common stains.

It is ideal for countertops and vanities in marble, natural stone and agglomerates.

## CHARACTERISTICS

PROTECTION AGAINST ACIDS AND STAINS

RESISTANT TO CONTACT WITH ACIDS AND ALKALINE SUBSTANCES

THERMAL SHOCK RESISTANT

WATER-BASED

LOW VOC EMISSIONS

## ADVANTAGES

CERTIFIED SAFE IN FOOD PREPARATION AREAS

PROTECTS AGAINST THE MOST COMMON ACIDS

ENDLESSLY RENEWABLE TREATMENT

APPLICABLE ON NEW AND EXISTING SURFACES, SUITABLE FOR OUTDOORS

DOES NOT YELLOW, UV RESISTANT



### Materials

Marble, natural stone and agglomerates.



### Fields of Application

Protects polished and matte marble, natural stone and agglomerates against acids.



### Warnings

**Do not scratch or cut the treated surface in order to avoid damaging the acid resistance protection.**

When the film becomes worn or damaged, the acid resistant treatment can be reapplied: remove the film with **FILANOPAINT STAR**, then reapply the **MARBLE AID XT** system (**01 PRIMER** and **02a PROTECTOR** + **02b ACTIVATOR** mixture).

*Before full application, test the product on a small, inconspicuous area to check for any changes to the appearance of the surface.*



### Instructions

**MARBLE AID XT** is a three-component system: **01 PRIMER**, **02a PROTECTOR** and **02b ACTIVATOR**.

The **01 PRIMER** prepares the surface and aids the adhesion of the protective treatment (**02a PROTECTOR** + **02b ACTIVATOR** mixture).

The application instructions for the **MARBLE AID XT** system can be found in the information sheet included in the package.

Read the instructions carefully before applying the product.

### Application Tools



**SHORT-HAIR APPLICATOR**

*such as mohair*

**Cleaning the applicator:** after use, rinse the applicator thoroughly in running water, then immerse it in water for about 30 minutes. Rinse again, wring it and let dry. Caution: we recommend carefully washing the applicator with water before use, even if the applicator is new, to avoid spreading dust or particles on the surface to be treated.

# MARBLE AID XT



## Technical Tests

**THE PRODUCT ENSURES A LEVEL OF GLOSS GREATER THAN OR EQUAL TO THAT OF THE UNTREATED SURFACE.**

**Gloss measured before and after the MARBLE AID XT treatment.**

*Instrument: glossmeter SAMA TOOLS SA0834.*

Testing carried out according to ASTM D523-08 standards.

Gloss values at a 60° angle Measurement on shiny, polished marble		
Material	Untreated GU <sup>(*)</sup>	Treated with FILA MARBLE AID XT GU <sup>(*)</sup>
Carrara	91	91
Nero marquina	85	90
Botticino	85	90
Istria Stone	70	87

\* gloss values at 60° is the only measurement indicated, as it is common practice to report gloss levels at an angle of 60°.  
<sup>(\*)</sup> GU: Gloss unit

**THE TREATMENT DOES NOT YELLOW DUE TO AGING OR UV EXPOSURE.**

**Measurement of color variation after artificial aging.**

*Instrument: Vötsch Industrietechnik climate test device with a UVA-UVB lamp.  
SAMA TOOLS A230 Colorimeter.*

The colorimetric coordinates were measured before and after aging. The calculation of the difference in color ( $\Delta E$ ) was measured according to UNI 8941/3, ISO 7724-1, ISO 7724-2 and ASTM1347-03 standards.

Accelerated aging / UV exposure testing on Carrara marble according to an internal method based on ISO 4892-3 standards and according to ASTM G26-96 method 3 and ASTM G154-06 standards.

The data reported is a summary of the test carried out on Carrara marble treated with FILA MARBLE AID XT, exposed to accelerated aging.

CARRARA MABLE	$\Delta E$
Sample exposed to accelerated aging.	1.03

$\Delta E < 3$  Variation not visible to the naked eye.

**RESISTANT TO ACIDS, ALKALINE SUBSTANCES AND STAINS IN GENERAL**

**Evaluation of resistance to acids, alkaline substances and stains.**

Tests performed by certified international laboratories (test method-CTIOA T-72) have proven the effectiveness of the treatment. Resistance to common staining agents up to 24 hours and chemical resistance to acidic and basic substances up to 4 hours has been tested.

Test results are provided on request.

**SUITABILITY FOR FOOD CONTACT**

Material suitable for food contact according to method: UNI EN 1186-3:2003 "Test methods for overall migration into aqueous food simulants by total immersion," DM21/03/73: "Average Overall Migration."

# MARBLE AID XT

## How it works

**MARBLE AID XT**, based on *Micro Coating Technology*, generates a micro coat of less than 10 µm, highly resistant against the aggression of acids and the absorption of dirt.

## Technical Characteristics

	01 PRIMER	02a PROTECTOR	02b ACTIVATOR	activated MARBLE AID XT
<b>COMPOSITION</b>	A mixture of inorganic salts in water	Water dispersion of organic resins and additives	Organic catalyst	
<b>APPEARANCE</b>	Transparent liquid	Liquid	Viscous fluid	Liquid
<b>ODOR</b>	Odorless	Typical of resin	Characteristic	
<b>DENSITY</b>	1.006 Kg / L	1.02 kg/l	1.06 kg/l	1.04 kg/l
<b>pH</b>	10.90	8.2	n.a.	8.2
<b>POT LIFE</b>	-	-	-	1 hour
<b>STORAGE TEMPERATURE</b>	from 5° C to 30° C	from 5°C to 30°C	from 5°C to 30°C	n.a.
<b>APPLICATION TEMPERATURE</b>	Must be applied on materials with temperatures between 18°C and 30°C.	n.a.	n.a.	Must be applied on materials with temperatures between 18°C and 30°C
<b>DRYING TIME AT 20°C (68°F)</b>	30 minutes	-	-	8 hours

### COVERAGE One package covers

up to 10 m<sup>2</sup> (80 square feet)

### APPLICATIONS

1 coat of product

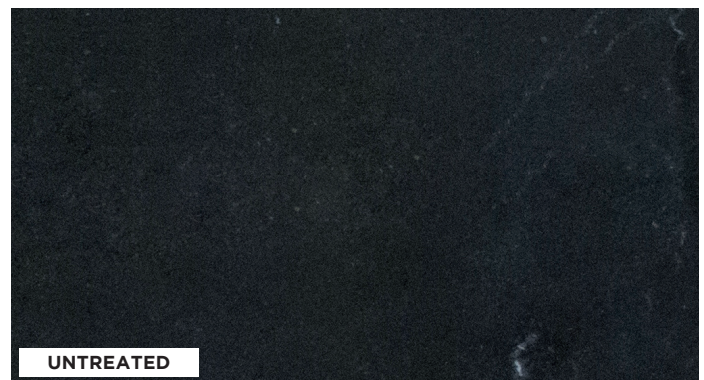
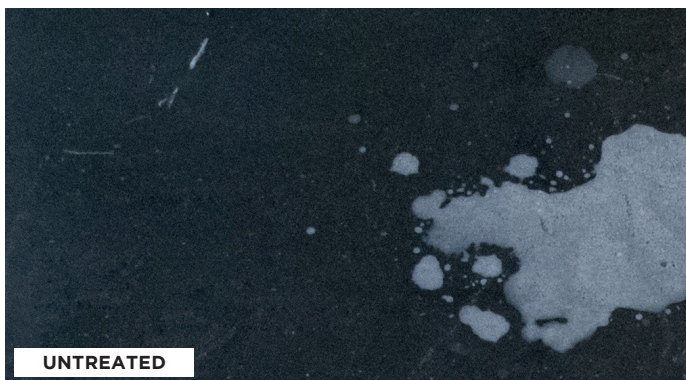
### PACKAGING

01 PRIMER: 250 ml (8.45 oz) bottle

02a PROTECTOR: 200 ml (6.76 oz) bottle

02b ACTIVATOR: 33 ml (1.11 oz) bottle

Please note: the level of environmental humidity may influence the drying times and pot life of the product.



## Safety indications

01 PRIMER: The product is classified as not dangerous. 02a PROTECTOR: The product is classified as not dangerous. 02b ACTIVATOR: The product is classified as dangerous under Regulation 1272/2008 (CLP) and subsequent amendments and supplements. For information regarding safety, please reference the safety data sheet. Keep out of the reach of children. Do not dispose of this product in the environment after use. Empty the bottle with leftover mixture immediately after use to prevent swelling of the bottle. See Section 13.1 of the safety data sheet for disposal information.

The above information regarding recommended product use and application procedures is based on precise laboratory testing. Nevertheless, there are factors beyond our control: the condition of the surface before treatment, rare or unspecified material characteristics / finishes, environmental conditions and the professional training of the applicator. We recommend testing the product on an area of the surface prior to full application. FILA always guarantees the quality of its products, but does not take responsibility for their improper use.