

# RASA UNI BIO CAM

**Bio smoothing compound based on NHL natural lime certified UNI EN 459-1:2015 for civil finishing of highly breathable and bio-compatible plasters for exteriors and interiors.**

**Available grain sizes: 0.8/1.2 mm**

**CAM certified according to UNI ISO 14021/SGS certificate n° 21.20408-1.**



## Product identification

RASA UNI BIO is a smoothing compound with a trowelled finish mainly made up of natural raw materials such as river sand, marble dust, very fine pozzolana and NHL natural lime compliant with UNI EN 459-1:2015, to be used for finishing highly breathable plasters and /or based on NHL natural lime such as our I BIO PLASTER, for external and internal applications in compliance with CE EN 998-1 regulations.

Its Eco/Bio formulation composed of natural raw materials Made in Italy, classifies the product at the top of Italian excellence, furthermore the NHL lime is produced with traditional coal methods.

The product has a very low content of volatile organic composites "VOC" which significantly increase comfort and quality of life where applied.

The natural raw materials inside are the same as from the ancient historical plasters present in archaeological sites around the world which have demonstrated over the centuries that they can resist the degradation of time while maintaining the underlying walls in excellent condition.

Recyclable at the end of its life as inert and ideal in historical, eco-sustainable, LEED and green building projects.

## Main applications

- ❖ Smoothing and finishing of new breathable plasters on exteriors and interiors based on natural lime with a floated, civil and traditional finish.
- ❖ Smoothing and finishing on old traditional or premixed plasters as long as they are lime-based or breathable, unpainted and unsmoothed externally and internally, after a coat of PRIMER FIXACR.
- ❖ Smoothing and finishing on I BIO plaster.
- ❖ Smoothing and finishing of plaster in historical and monumental contexts.
- ❖ Smoothing and finishing on base plasters in green building, LEED and eco-sustainable contexts.
- ❖ Can be used in historical heritage conservation projects.

## Preparation of the support

- ❖ Before smoothing any plaster surface, carefully make sure to remove dust, any inconsistent, crumbly parts, detached bodies, as well as any further thing or situation that compromises the adhesion of RASA UNI BIO.
- ❖ The supports must be kept evenly moistened before shaving and depending on the season of production.
- ❖ In case of smoothing over very seasoned plasters, treat the surface fresh on fresh with PRIMER FIXACR.
- ❖ In the case of supports or plasters which present irregularities, holes and disconnections exceeding one mm, a prior uniform application of RASA UNI BIO is advisable.

### Ways of use

- ❖ The product is ready to use and should simply be mixed with clean water at a rate of 6/6.5 liters per 25 kg bag of dry product.
- ❖ It is possible to mix the product either with mixer drills at low speed or with plastering machines.
- ❖ Always use clean containers free from impurities.
- ❖ Based on the degree of flatness of the support, spread one or more coats of RASA UNI BIO with fracasso or American, with intervals of at least 50/60 minutes from one coat to the other. Depending on the application period, it will then be possible to work it with water and American or by correspondence.
- ❖ Before applying RASA UNI BIO make sure that the surface is uniformly well cured.

### Warnings

Avoid working in sunny areas, areas with temperatures below 6°, do not add products to the mixture. Since the product is made from natural lime, it requires longer setting times.

**DO NOT ADD CEMENT**

### Cleaning

The wet product can be removed from surfaces with water, and it is advisable to protect delicate surfaces before application as it could alter colors as well as indelibly staining. The hardened product has moderate hardness and toughness.

## Technical data

<u>Description</u>	<u>Data</u>	<u>EN test standard</u>	<u>998-1</u>
<b><u>Classification according to EC regulations</u></b>	GP internal/external plaster mortar. CS II	-	X
<b><u>Type of binder</u></b>	Can be combined NHL 3.5 & NHL 5	459-1	X
<b><u>Theoretical product yield</u></b>	$\pm 1.40 \text{ kg/m}^2$ per cm of thickness	-	
<b><u>Mixing water</u></b>	5,5 l of clean water for each 25 kg bag	-	
<b><u>Dry specific weight</u></b>	Approximately 1300 kg. every m3 of product	-	
<b><u>Mechanical compression performance</u></b>	At 28 days. $> 1.50 \text{ N/mm}^2$	1015-11	X
<b><u>Mechanical bending performance</u></b>	At 28 days. $> 0.50 \text{ N/mm}^2$	1015-11	X
<b><u>Adherence to the brick support</u></b>	Approximately $0.60 \text{ N/mm}^2$	1015-12	X
<b><u>Inert diameter</u></b>	Diam. Max mm. 0.80	-	X
<b><u>Water absorption</u></b>	W 0	1062-3	X
<b><u>Permeability</u></b>	0,02 Sd	7783	X
<b><u>Thermal conductivity/volume mass.</u></b>	( $\lambda$ 10,dry ) 0,42 W/mK (tab. val. P=50%)	-	
<b><u>Reaction to fire</u></b>	Class E	-	
<b><u>Min. temperature and max. applicable</u></b>	+5°C / +30°C	-	
<b><u>Applicable thickness per coat</u></b>	$\pm 1 \text{ mm}$ to 6 mm	-	

*The information contained in this sheet is the result of knowledge and tests available at the date of publication.  
DM SRLS UNIPERSONALE does not assume any responsibility for damage to persons or things resulting from improper use of such information and reserves the right to modify the data without notice.*

**For further technical information:**  
EDMEC DM  
Via Scala n°628/D  
41038 San Felice s/P (MO)  
Part. VAT and Fiscal Code: 03728460365  
[info@edmec.it](mailto:info@edmec.it)