

## Ferrara H

Version: Jan-18

### PRODUCT DESCRIPTION

*Ferrara H* is a colourless varnish of two-component water-based polyurethane and matt finish. It is a sealing layer for the protection of horizontal surfaces with lime coatings.

#### Features:

Water-based product.	Washable. Resistance against cleaning products.
High hardness and resistance.	Easy to clean.
Good UV resistance, non-yellowing.	Suitable for interior and exterior under roof.
Optimal finish.	Very low odour.
Great transparency.	Low VOC content.

#### Format:

Component A: 4 l pots. Component B: 0.75 l pots.

### TECHNICAL PROPERTIES

Specific weight - Component A	1.05 ± 0.05 kg/l (23 °C)
Specific weight - Component B	1.13 ± 0.05 kg/l (23 °C)
Specific weight - Mix	1.07 ± 0.05 kg/l (23 °C)
Nature	Water-based polyurethane
Appearance	Transparent liquid
Finish	Silky mate (after curing)
Yield on level substrate*	± 130 g/m <sup>2</sup> per layer

*\*It varies according to the porosity and irregularities of the support, variations in the level, losses, etc. An inadequate consumption can cause roll marks, differences in brightness, an irregular surface, etc.*

### APPLICATION INSTRUCTIONS

#### Application surfaces:

Floors and other horizontal surfaces made with lime coating.

#### Conditions of the substrate:

The substrate must be dry, firm, well-adhered and free from any impurities such as dust, grease, dirt, etc. If in doubt, apply a small test area before.

#### Preparation of the substrate:

All dust, loose and friable material must be completely removed from all surfaces before application of the product, preferably by brush or vacuum.

#### Product preparation:

Prior to mixing, stir part A mechanically. When all of part B has been added to part A, mix continuously for 3 minutes until a uniform mix has been achieved. Avoid excessive shaking to minimize bubble occlusion.

#### Pot life:

Approximately 50 minutes at + 10°C, 30 minutes at + 20°C, 20 minutes at + 30°C. Caution! The end of the life of the mixture is invaluable.

## Application method:

Divide the area to be coated into parts for the number of A + B units. It is important to have consumption under control and to know how far to paint with each A + B mixture. The product absorption of the dry roller must be considered in the first application, approx. 0.3-0.5 kg.

With a small quantity mixed product, pre-coat the edge areas. But never go further ahead than 10 minutes to the regular rolling. Attention to the pot-life!

Pour the product and apply with short pile roller in thin layer. Apply 2 layers. Ensure evenly application and avoid accumulations of material. The material must be fresh when overlapped, avoiding marks.

## Drying:

In conditions of 25 °C and 60% relative humidity: 2-3 hours for touching, 4-6 hours between layers, 24 hours before carefully placing furniture or other heavy objects and 4 days for total curing. Protect the treated area of moisture, condensation and water for at least 7 days (20 °C).

During curing, humidity should not exceed 75% maximum. You must have a fresh air ventilation to remove excess moisture during the curing of the product.

## Environmental conditions:

The work temperature (environment and support) must be between +10 °C and +30 °C. During application and curing the relative humidity should not exceed 75%. Adequate fresh air ventilation must be provided to remove the excess moisture from the curing product.

Beware of condensation! The substrate and uncured floor must be at least 3°C above the dew point to reduce the risk of condensation or blooming on the floor finish.

## Tools:

Preparation: electric stirrer or other suitable equipment. Application: brush and short pile roller.

## Tool cleaning:

Clean tools immediately after use with warm water and soap. The cured and / or hardened material can only be removed by mechanical means.

## Notes:

Prior to application confirm relative air humidity and dew point. Do not apply to surfaces in constant contact with water, it is not a waterproof solution. The parts that are not going to be treated must be protected (glass, wood, etc.). Should there be strict aesthetic requirements, it is recommended to perform prior tests. Do not mix with other products or specific properties may change.

## ADDITIONAL INFORMATION

### VOC content:

Directive 2004/42/EC, Phase II: Two-pack performance coatings. Maximum VOC content (annex II): 140 g/L. VOC content (use): <100 g/L.

### Storage:

Keep in original pack, closed and in a cool and dry place (between 5-30 °C). Keep from freezing and avoid direct sun exposure. Unopened, it may be conserved for at least 6 months for component A and 12 months for component B from manufacturing date.

**Maintenance:**

Remove immediately any spillage. Clean regularly.

**Usage warnings:**

None in particular for normal use and people who do not have special pathologies. Alkaline product, protect skin and eyes especially. Apply with good ventilation, do not inhale product. Keep out of reach of children.

**Waste management:**

According to local legal provisions. The pots are made of polypropylene. Help protect the environment, do not throw waste through the drain and use the nearest recycling centre.

**Responsible gesture:**

Minimize the product waste by estimating the amount you will need. Recover the unused product to give it a new use, keep it under the Storage section. Reuse can effectively minimize environmental effects on the life cycle of products.

**Safety information:**

For information regarding safety, physical, ecological and toxicological information see the latest version of the product's Material Safety Data Sheet.

**Technical substrate:**

For further information, please contact your local distributor or manufacture: [technicalsupport@graphenstone.com](mailto:technicalsupport@graphenstone.com).

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