

# deffner & Johann

Supplies for RESTORATION | CONSERVATION | ART HANDLING – SINCE 1880

## TECHNICAL DATA SHEET

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# **NASIER PITTORICO P01** **TECHNICAL DATA SHEET**

## **1. TREATMENT TYPE**

- Nasier Pittorico P01 is an ecological and safe detergent suitable for the removal of biological and protein patinas from paintings on wood and textile supports, wood carved objects, furniture, wooden structures, objects made of processed synthetic materials during the restoration operations.
  - **Biological patinas:** molds, bacteria
  - **Protein patinas:** casein, protein glues, protein substances

## **2. PRODUCT PROPERTIES**

- White-colored aqueous gel based on stabilized enzymes, ready to use.
- The product is not biocidal.
- It is an ecological and safe product to both the operator and the environment.
- Its composition allows it to act selectively without attacking or damaging the underlying surface. It helps to easily remove the biological patinas from the surface to be treated and it hydrolyzes the peptide bonds in the protein substances.
- Thanks to the technology employed, the product may be used without measuring the pH or the temperature of the surface to be treated and of the product itself.
- It may be used even if the object has metallic components.
- For Professional Use only.

## **3. PHYSICOCHEMICAL PROPERTIES**

**Appearance (physical state and color):** White water-based gel

**Odor:** Odorless

**pH:** 8.5

**Water solubility:** The gel is water based.

**Explosive properties:** based on the composition and the chemical structure of the product, its explosive properties are excluded.

**Oxidizing properties:** based on the composition and the chemical structure of the product, its oxidizing properties are excluded.

## **4. PREPARATION**

- Before the treatment the surfaces must not be prepared with substances other than water. It is advisable not to use hydrophobicizers before the cleaning, inasmuch as they may prevent the action of the product. If required, please contact first your contact person from Brenta.
- **The product is ready to use, it does not require dilution. The gel must be stirred well using a brush or a spatula until the product becomes homogeneously white.**



- It is preferable to pour the required amount of gel in a separate container, so as to avoid contaminating the entire product with any tools you have used.
- **The product coverage rate is approximately 4 sq. m/Kg.**

## 5. APPLICATION

- Nasier Pittorico P01 may be applied on **paintings on wood and textile supports, wood carved objects, furniture, wooden structures, objects made of processed synthetic materials, assembled and/or painted.**
- An interface, such as Japanese paper, is placed onto the surface to be treated and the product is spread on top of it.
- Use brushes to apply the gel. It is not necessary to pay attention to the metal parts of the tool you use.
- The product may be applied **without any pH control** and at **ambient temperatures ranging from 5° to 38°C**. Outside such temperature range, it might not preserve the same efficiency.
- For the product **application timing**, please follow the time frames indicatively reported in *Table 1*. It is very advisable to perform tests in preparation of the intervention, with progressive application times based on the conservation condition of the object. In general, we recommend proceeding step by step, with application times starting from 5 to 10 minutes until progressively reaching 15'-30'-45' to 60' in the most complex cases. If the conservation condition allows it, it is possible to apply the product directly without using an interface.
- **However, please contact your representative in Brent to get confirmation or further advice.**

T<12°-15°C	12°-15°C <T<25°C	T>25°C
Starting from 10 min	Starting from 5 min	Starting from 5 min + film

Table 1\_Application timing by ambient temperature

- It is enough to apply a layer a few millimeters thick, so as to maintain the gel moist for the time required for the application. Therefore, to enable the enzymes to act, **the gel must not dry up within the specified application time.**
  - If that should happen, you may intervene by spreading additional amount of product on top of the dry layer.
  - In the presence of high temperatures, it is however always recommended to use a protective film on the application so as to prevent the product from drying up.
  - "Film" means any transparent film capable of covering and protecting the gel from the exsiccation caused by the high temperatures.
- Upon conclusion of the application time, lift the interface and gently rub the treated surface with a cotton ball soaked with deionized water, so as to remove the patina damaged by the enzymatic action.
- If the treatment should need to be repeated, it is not necessary to wait between applications.



- **In case of a particularly thick or recalcitrant patina, it is possible to apply the gel for a longer time or to apply the product again (However, please always contact your representative in Brenta to get confirmation or further advice).**

## 6. SAFETY

- It is an ecological and safe product to both the operator and the environment.
- Its label does not contain hazard pictograms.
- There is no need to collect the wash water upon completion of the treatment.
- **Safety standards as per Regulation (EC) No. 1272/2008:**

The product is not classified as hazardous under Regulation (EC) No. 1272/2008.

Hazard class	Associated hazard category	Hazard Statements
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- **Labeling under Regulation (EC) No. 1272/2008.**

<b>Hazard pictogram(s):</b>	No hazard pictogram.
<b>Warning:</b>	No warning.
<b>Hazard Statement(s):</b>	No hazard statement.
<b>Precautionary Statements:</b>	No precautionary statement.
<b>Additional information:</b>	EUH208: Contains trypsin. May cause an allergic reaction. EUH210: Safety Data Sheet available on request.

- **For further information, please see the Safety Data Sheet.**

## 7. STORAGE

- Store in a cool, dry place, away from heat.
- Once opened, if there is no contamination present (as reported in section 4. Preparation), you may continue storing it in a cool, dry place and using it within the expiration date specified on the label.

### Delivery forms by Deffener & Johann GmbH:

2070207 Nasier Pittorico P01, 75 g

2070220 Nasier Pittorico P01, 200 g