

It is a compound of hydrated alumina, titanium dioxide and polyester resin, covered by a thick layer of resin Iso-NPG which grants shine, resistance, impermeability and anti-scale features.

Pietraluce® is resistant to acids, solvents and to liquid cleaning products; it has anti-bacterial properties, it is non-flammable and self-extinguishing. Scratches or stains of cigarette can be removed by a normal polishing paste. Small repairs of chippings or deep cuts can be done by using our maintenance kit. Pietraluce® can be cut and drilled with normal steel tools.

## TECHNICAL SHEET MATERIAL PIETRALUCE®

The laboratory test results.

Pietraluce® is a compound of hydrated alumina, titanium dioxide and polyester resin .

**Density:** 1,8 g/cm<sup>3</sup> approx.

**Water absorption:** 0,17% Gel-Coat, ASTM D 570, manufactured article less than 0,75%.

**Thermal shock resistance:** unchanged after 25 cycles from -20°C to +80°C.

**Results from tests performed by the Plastics Testings Laboratory y "Giulio Natta" Institute of Industrial Chemistry - Polytechnic - Milan**

**Certificate N° 48/80 of 18.12.1980 - Prof. Dante Pagani**

1) Abrasion resistance (NeMA LD 3-1975): is above 2000 cycles.

2) High temperature resistance (NeMA LD 3-1975): the container, containing molten wax at 180°C, causes slight colour variations on the surface.

3) Staining resistance (ANSI Z 124.1-1974): after 14 hrs. following spots are easily removed: black shoe polish, blue washable ink, lipstick, tomato sauce, coffee. Black hair dye and 1% iodine alcoholic solution are removed after 20 minutes.

4) Chemical resistance (ANSI Z 124.1-1974): after a lapse of 14 hrs. the following chemicals do not leave a ny visible sign: ethyl alcohol, 10% citric acid, 6,6% urea, 3% hydrogen peroxide, hypochlorite and acetone.

The high octane gasoline leaves a visible trace unless it is removed within 20 minutes.

5) Resistance to washing (ASTM D 2486): 20000 cycles with a nylon brush and a 5% commercial solution of a liquid cleansing agent leave slight traces.

6) Resistance to accelerated ageing: after 200 hrs. exposure to a 300W uV lamp there are no surface alterations.

7) Scratch resistance: the charge requested for scratching with "Taber" with diamond point is 190 g.

**Certificate N° 252/1982 of 6.7.1982 - Prof. Dante Pagani**

1) Inflammability resistance (ASTM D 635): samples are self-extinguishing. The flame is extinguished before the first reference mark.

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## PIETRALUCE | Cleaning and maintenance

To maintain the gloss of the material over time, avoid the use of abrasive or scratching products and detergents. Soft cloths and liquid detergents should be used to clean this materials. Pietraluce® is an antibacterial, anti-scale material, however, if any hard water spot is formed, it can always be removed with normal limescale removers. If any stains are formed or the surface loses its gloss over time, it can be treated with a car polish and, depending on its conditions, also with paint brightening products.

Special stains, such as cigarette stains, can be removed with extra fine sandpaper (1000 grit as a minimum) and the portion that turns dull can be revived with a normal polish. To speed up the job, a polishing machine may be used, running at low speed (2000 rpm as a max.), with a disk covered with lambskin.

If the need arises, you can purchase a maintenance/repair kit (art. **KIT84**) to repair chips or deep scores in the surface of wooden products.

**Colors available for:**

**APP, WASH, OVAL, LEGGERA, FONTANA, IO** bathtub, **FORTY6, IO, FLYMAX** shelves and **UNA** case



**White**

pantone White C - RAL 9016



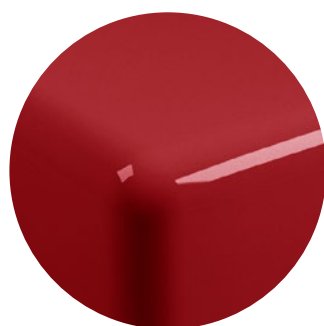
**Black**

pantone black C - RAL 9017



**Marin Blue**

pantone 2955 C - RAL 5003



**Red**

pantone 7427 C - RAL 3011



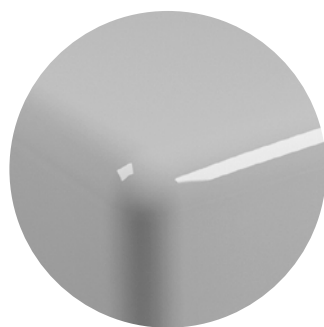
**Beige**

pantone 7500 C - RAL 1015



**Sand**

pantone 7503 C - RAL 1019



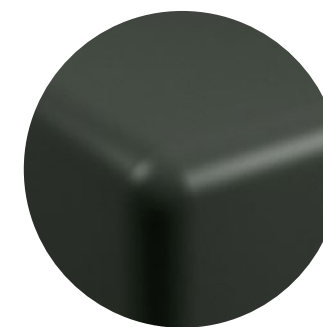
**Grey**

pantone cool gray 2 C - RAL 7047



**Milky White** matt

pantone White M - RAL 9003



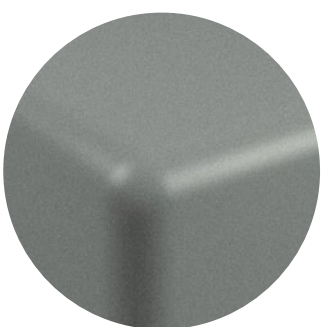
**Graphite** matt

pantone black M - RAL 9004



**ARGILLA** matt

pantone 7528 M - RAL 1019



**Lava Grey** matt

pantone 424 M - RAL 7037

The colours are for guidance only. Colours may vary when applied to different materials and be subject to variations through time. The Pantone and RAL codes refer to the colours and not their real effect on materials. Ceramica Flaminia reserves the right to modify the tones and to widen the range of the colours illustrated without any prior notice.