

Arterra Patiti Varnish PU-S



THINNING
5-15 %



CONSUMPTION
~0,1kg/m²



TOOLS
Brush or Roller



DRYING
24 hours



MIX
3A:1B

Aliphatic, polyurethane,
2-component
protective varnish

- » Excellent water repellency
- » Strong mechanical strength
- » Excellent resistance to UV radiation
- » High abrasion resistance
- » Ease of application
- » Easy to clean
- » Does not turn yellow
- » Outdoor & indoor usage

Arterra Patiti Varnish PU-S is an aliphatic, polyurethane, solvent-based, 2-component varnish.

Its advanced composition of new technology resins offers high water repellency, excellent mechanical strength, high protection against friction, abrasion, impact, high resistance to common detergents & household stains. In addition, it is ideal for outdoor applications due to its composition with UV filters that provides long-lasting resistance to solar radiation.

A/j (SB) Two-pack reactive performance coatings

- VOC Limit Value: 500 g/L
- Maximum VOC concentration of the ready to use product: 499 g/L

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FIELD OF APPLICATION

Arterra Patiti Varnish PU-S is used as a protective and water repellent varnish on decorative coating systems microcement-style, such as **Arterra Patiti**, on horizontal and vertical surfaces for outdoor & indoor usage. It can also be used as a protection and water repellent over concrete, stone, epoxy,

polyurethane, acrylic floor paint layers, etc. It can also be used as a protective and water repellent topcoat over surfaces: concrete, stone, floor coatings (epoxy, polyurethane, acrylic), etc. It is considered an ideal choice for demanding applications such as: external surfaces, aside pool areas, bathrooms, WC, showers, etc.

TECHNICAL DATA

Density ISO2811 @25°C	1,00 g/mL(±0.05) (A+B)
Viscosity @25°C ASTM D-562	55KU (±15) (A+B)
Mixing Ratio (A:B)	(A:B) 3:1 κ.β
POT Life	1,5 - 2,0 h
Gloss ISO 2813 @60°	Glossy >90GU
	Satin 24 - 40GU
	Matt <15GU
König Pendulum (Hardness) ISO 1522 @ 100µm WFT after 15 days	Glossy 200sec (±20)
	Satin 110sec (±20)
	Mat 115sec (±20)
Bending (Conical Mandrel) ISO6860	Ø <3.7mm
Cross Cut (Adhesion) ISO 2409	Class 0 (No detachment)

ACCORDING TO EN1504-2

Adhesion Strength EN1542	≥ 1.5 N/mm ²
Capillary Absorption and permeability to water EN1062-3	< 0.1 kg/m ² .h ^{0.5}
Permeability to CO ₂ EN1062-6	s _D >50m
Permeability to Water Vapour EN ISO7783	s _D <15m
Artificial weathering test EN1062-11 (blistering/cracking/flaking)	0(S0)
Reaction to fire EN13501-1	E

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IMPORTANT NOTES

Do not apply at temperatures below 5°C and above 35°C as well as at humidity levels above 65%. Do not apply in case of frost forecast for at least next 24 hours after application. Do not apply in case of impending rain or in direct intense sunlight and wind currents. Surfaces must be protected from the sun, wind and rain with special protective covers.

Ensure that the application substrate does not contain or may not appear moisture and in any case before application check that the moisture percentage is <4%.

DIRECTIONS FOR USE

1.SUBSTRATE - PREPARATION: The application substrate must be: even, clean, solid, free from standing water, moisture, dust, oil, lime, tar and loose elements that can affect adhesion. For any necessary repairs use the appropriate products by **KRAFT Paints**.

On decorative coating systems, microcement-style, such as **Arterra Patiti**, it is recommended to prime with **Arterra Patiti Nano-Hybrid Primer** before applying the protective varnishes, in order to ensure strong adhesion, stabilization of absorbent surfaces and uniform water repellency. Also, in this way, it prevents the selected decorative shade to get darker (slightly or more) before the application of protection varnishes.

High attention is recommended to the protection of the system from any moisture penetration behind the application substrate (negative pressure), in indicative areas such as: balconies, gardens, outdoor floors, outdoor corridors, bathrooms, etc. For this reason, before installation where necessary, apply first the appropriate type of the cementitious waterproofing solutions, **Hydroguard Systems** by **KRAFT Paints**, depending

Surface drying time approx. 1 hour at 25°C and 50% relative humidity. Apply the next layer after 24 hours, depending on temperature and relative humidity. Drying times are prolonged at lower temperatures and higher relative humidity.

For more information, please refer to the **Arterra Patiti** decorative system Application Guide.

on technical specifications. For further information, please refer to the **Application Guide** of **Arterra Patiti system**.

2. MIXING: Components A and B are available in containers with a standard mixing ratio. Component B is added completely into the component A container. Mixing of two components for about 2 minutes ensures the homogeneity of the mixture. Avoid overmixing to prevent entrapping air. If necessary, dilute with solvent **NITRO 2000** by **KRAFT Paints** between 5-15%. The mixture is then allowed to rest for about 10 minutes before application begins.

3. APPLICATION: **Arterra Patiti Varnish PU-S** is applied using a roller (eg microfibers for horizontal surfaces or sponge-roller for vertical surfaces), or brush, for at least 2 layers. Each layer is allowed to dry for approximately 24 hours (depending on weather conditions) before applying the next one. Light sanding and cleaning of the surface is recommended between layers.

4.CLEANING: Immediately after the application the tools must be cleaned immediately with **NITRO 2000** by **KRAFT Paints**. Remove as much material as possible from tools before cleaning.

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PACKAGING – SHADES

Available as transparent glossy, satin or mat finish in metallic canisters' set:

α) 1Kg (A+B) = 0,75Kg (A component) + 0,25Kg (B component)

β) 5Kg (A+B) = 3,75Kg (A component) + 1,25Kg (B component)

HEALTH, SAFETY & ENVIRONMENTAL INFORMATION

Carefully read and follow all cautions and warnings on product label. For further information refer to the Safety Data Sheet for this product.


Poison Centre Telephone:
+30 210 7793777

CONSUMPTION

The consumption of **Arterra Patiti Varnish PU-S** is about 0,1 Kg/m² per layer depending on the type of substrate, the method, the tools and the application conditions.

STORAGE

Store the product at temperatures between 5°C and 35°C away from direct sunlight and rain, for a maximum of 24 months from the date of production. Keep containers tightly closed when not in use.

 1020	Druckfarben Hellas S.A. Megaridos Ave., Kallistiri area, GR-19300 Aspropyrgos, Greece	
	23 DoP No 04.32 ARTERRA PATITI Varnish PU-S Gloss-Satin-Mat (2K) EN 1504-2:2004 Coating (C) for surface protection of concrete structures according to principles 1 (PI), 2 (MC) and 8 (IR)	
Reaction to fire		E
Permeability to CO ₂		s _D > 50 m
Permeability to Water Vapour		Class II
Capillary Absorption and permeability to water		w < 0.1 kg /m ² · h ^{0.5}
Adhesion strength by pull-off test		≥ 1.5 N/mm ²
Artificial weathering test (blistering / cracking / flaking)		0(S0) / 0(S0) / 0(S0)
Dangerous substances		See SDS

12/2023 THIS TECHNICAL DATA SHEET SUPERSEDES ALL PREVIOUS EDITIONS

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DISCLAIMER: The above technical data, information, recommendations and guidance are based on scientific and technical knowledge, laboratory studies and long experience. However, the above information is considered to be as indicative and should be reviewed in any case in relation to each specific application conditions. Consequently, the suitability of each product in any application must be evaluated after referring to the updated Technical Data Sheet and to the website www.kraftpaints.com, as well as after contacting the technical support department, in case of necessity. Our company guarantees the quality of the product itself, whilst in any case the user/applicant is exclusively responsible for any undesirable failures after using the product.

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