



# PAVI FINISH

Polyurethane finish  
for protecting decorative  
mineral coatings



konstruktive • **leidenschaft**



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## PRODUCT DESCRIPTION

**PAVI.FINISH** is a two component polyurethane water-based finish for protection and finish of surfaces with mineral decorative or resin coatings.

The product generates a uniform protective layer combined with high mechanical properties and surface anchorage, good resistance to abrasion, solvents and weathering.

**PAVI.FINISH** is available with three different finishes: matt, glossy or satin.

It can be used for the protection and finish of vertical or horizontal surfaces, it is resistant, durable, washable and easily cleaned with minor dirt retention.

## COMPOSITION

**PAVI.FINISH** is a two-component formula based on crosslinked Polyurethane waterborne dispersions with a hydrophilic aliphatic polyisocyanate.

## MIXING AND APPLICATION

### SURFACE PREPARATION

The surface must be healthy, consistent, and free from dust and unstable parts. It must be dry and free from capillary humidity. Wash well and remove any dust, oil, grease etc.

Before applying **PAVI.FINISH**, the surface must be prepared by lightly sanding to help finish adhesion.

### GLOSSY FINISH

Before mixing, it is important to leave the product to acclimate to the temperature conditions in which it is to be applied.

Pour two components A and B in a single container and mix using an electric drill at low speed, taking care to emulsify the two components. Mix until product is smooth and homogeneous.

The prepared product can be easily applied using a Perlon short pile roller, crossing strokes and making sure that the edge of the roller overlaps a previous stroke whilst still fresh, otherwise the over lapping may be visible (product accumulation), leaving a striped floor.

Apply the second coat between 2 and 24 hours after previous coat. Beyond the maximum time frame, it will be necessary to slightly sand the surface again before applying the polyurethane finish.

Avoid applying a thick coat in a single layer, but obtain the desired thickness in two or three consecutive coats. Applying a thick layer could lead to delays in the development of physical and mechanical properties of the final product, with particular depth drying and sensitivity to water.

### MATT FINISH

Before mixing, it is important to leave the product to acclimate to the temperature conditions in which it is to be applied.

Pour two components A and B in a single container, dilute the product with 5-10% of clean water, and mix using an electric drill at low speed, taking care to emulsify the two components. Dilute with water whilst mixing, immediately after adding the two components together with the amount of clean water needed according to the type of use and without adding further water whilst applying to surface. Mix until product is smooth and homogeneous.





The prepared product can be easily applied using a Perlon short pile roller, crossing strokes and making sure that the edge of the roller overlaps a previous stroke whilst still fresh, otherwise the over lapping may be visible (product accumulation), leaving a striped floor.

Apply the second coat between 2 and 24 hours after previous coat. Beyond the maximum period, it will be necessary to sand the surface again before applying the polyurethane finish.

Avoid applying a thick coat in a single layer, but obtain the desired thickness in two or three consecutive coats. Applying a thick layer could lead to delays in the development of physical and mechanical properties of the final product, with particular depth drying and sensitivity to water.

### **SATIN FINISH**

Before mixing, it is important to leave the product to acclimate to the temperature conditions in which it is to be applied.

Pour two components A and B in a single container, dilute the product with 5% of clean water, and mix using an electric drill at low speed, taking care to emulsify the two components. Dilute with water whilst mixing, immediately after adding the two components together with the amount of clean water needed according to the type of use and without adding further water whilst applying to surface. Mix until product is smooth and homogeneous.

The prepared product can be easily applied using a Perlon short pile roller, crossing strokes and making sure that the edge of the roller overlaps a previous stroke whilst still fresh, otherwise the over lapping may be visible (product accumulation), leaving a striped floor.

Apply the second coat between 2 and 24 hours after previous coat. Beyond the maximum period, it will be necessary to sand the surface again before applying the polyurethane finish.

Avoid applying a thick coat in a single layer, but obtain the desired thickness in two or three consecutive coats. Applying a thick layer could lead to delays in the development of physical and mechanical properties of the final product, with particular depth drying and sensitivity to water.

#### **INDICATIVE AMOUNTS REQUIRED**

0.100 kg per m<sup>2</sup> per coat, for a film of 40 µm.

#### **COLOUR**

Transparent.

#### **PACKAGING**

1.0 kg pack A+B.  
5.0 kg pack A+B.

#### **STORAGE**

12 months in original intact packaging, protect from frost, not exposed to direct sunlight or heat sources.





**RECOMMENDATIONS**

Do not apply at temperatures below + 10°C or above + 30°C, in the presence of strong wind, rain and under direct sunlight. Protect the applied product from rapid drying due to strong winds for the first 24 hours after application. Do not apply to surfaces subject to rising damp. Avoid applying with relative humidity exceeding 70%. Comply with weather conditions and environment humidity. Respect the minimum and maximum times for overlapping layers. Do not mix the product after the pot-life.

The product is dry to touch 4-6 hours after application in normal environmental conditions. The treated surfaces are walkable after 48 and fully functional after 7 days of applying. If after 48 hours, it is necessary to walk on the floor for light operations, protect the surfaces treated with cardboard or other suitable materials.

The temperature of the product, environment humidity and temperature and the substrate porosity affect the degree of shine (matt, glossy or satin). Monitoring these parameters enables the correct degree of gloss of the product.

**GLOSSY FINISH  
PRODUCT DATA**

Appearance	liquid
Colour	transparent
Dry residue (A+B)	40% w/w
Specific weight (A+B)	1.00-1.05 g/ml
Viscosity	500 ± 100 mPa (Spindle 1. rpm 12)
Mixing ratio w/w	100 parts A + 22 parts B
Binder type	crosslinked polyurethane resin with a hydrophilic aliphatic polyisocyanate
Dilution with water	ready to use
Minimum application temperature	+ 10°C
Maximum application temperature	+ 30°C
Environment humidity	≤ 70%
Pot-life	40' minutes at + 35°C 60' minutes at + 25°C 90' minutes at + 10°C
Superficial drying time or to touch	2-3 hours at + 30 °C e 50% U.R. 4-6 h hours at + 25 °C e 50% U.R. 12-14 h hours at + 10 °C e 50% U.R.
Minimum time between coats	> 120' minutes
Maximum time between coats	< 24 h ore
Abrasion resistance	< 50 mg TABER grinding wheel CS-17-1000 spins – 1000 g of weight UNI 8298-9
Tool cleaning	soap and water after use
Film appearance	glossy

**MATT FINISH  
PRODUCT DATA**

Appearance	liquid
Colour	transparent
Dry residue (A+B)	40% w/w
Specific weight (A+B)	1.00-1.05 g/ml
Viscosity	100 ± 20 mPa
Mixing ratio w/w	100 parts A + 16.2 parts B
Binder type	crosslinked polyurethane resin with a hydrophilic aliphatic polyisocyanate
Dilution with water	5-10%





**SATIN FINISH  
PRODUCT DATA**

Minimum application temperature	+ 10°C	
Maximum application temperature	+ 30°C	
Environment humidity	≤ 70%	
Pot-life	80' minutes at + 30°C 120' minutes at + 25°C 180' minutes at + 10°C	
Superficial drying time or to touch	40'-50' minutes at + 30°C e 50% U.R. 60'-80' minutes at + 25°C e 50% U.R. 120'-140' minutes at + 10°C e 50% U.R.	
Minimum time between coats	> 120' minutes	
Maximum time between coats	< 24 hours	
Abrasion resistance	< 50 mg TABER grinder wheel CS-17- 1000 spins - 1000 g of weight	UNI 8298-9
Tool cleaning	soap and water after use	
Film appearance	matt	
Appearance	liquid	
Colour	transparent	
Dry residue (A+B)	42% w/w	
Specific weight (A+B)	1.00-1.05 g/ml	
Viscosity	200 ± 40 mPa	
Mixing ratio w/w	100 parts A + 16.2 parts B	
Binder type	crosslinked polyurethane resin with a hydrophilic aliphatic polyisocyanate	
Dilution with water	5%	
Minimum application temperature	+ 10°C	
Maximum application temperature	+ 30°C	
Environment humidity	≤ 70%	
Pot-life	80' minutes at + 35°C 120' minutes at + 25°C 180' minutes at + 10°C	
Superficial drying time or to touch	2-3 hours at + 30°C e 50% U.R. 3-4 hours at + 25°C e 50% U.R. 10-12 hours at + 10°C e 50% U.R.	
Minimum time between coats	> 240' minutes	
Maximum time between coats	< 36 hours	
Abrasion resistance	< 50 mg TABER grinding wheel CS-17- 1000 spins – 1000 g of weight	UNI 8298-9
Tool cleaning	soap and water after use	
Film appearance	satin	
Category	Two-pack reactive performance coatings for specific end use (WB/j)	
VOC limits category	140 g/l (2010)	
Maximum VOC product content	120 g/l	

**VOC**

**REMARKS**

**Product for professional use.** The data and instructions in this data sheet are based on our best practical and laboratory experience. They refer to laboratory tests and should be considered indicative. In view of the different conditions of use and application, which depend on factors over which Vimark has no control (type of surface, environmental conditions, technical indications for fixing, etc.), those who use the product are responsible for ascertaining whether or not it is suitable for the intended purpose. Thus our warranty obligation merely covers the quality and fade-free characteristics of the actual product, and exclusively in relation to the aforementioned data. Vimark reserves the right to make technical modifications without prior notice. This technical data sheet voids and substitutes all previous editions. Updates will be published on the web site [www.vimark.com](http://www.vimark.com).

