



# NO VISIBLE HPC-5007 + PUR-1010

# Basin®

a base for a better living

TECHNICAL DATASHEET 1/5

This 2 component water-based varnish with an invisible look is designed for finishing new, untreated or freshly sanded wooden floors as well as other rough wood parts, providing a long-lasting (rough wood / clear natural look) and matt finish that prevents the wood and varnish from yellowing in time.

**Pay attention:** only suitable for light wood types and not suitable for veneer thinner than  $\pm 1,5$  mm, to avoid glue penetration. On dark & exotic wood types, we recommend NO VISIBLE NUANCE HPC-5009 + PUR-1010.



## TECHNICAL INFO

### Base

Copolymer water-based dispersion

### Appearance

Milky emulsion

### Dilution

Water (5 to 10 %)

### Density

$\pm 1,05$  g/cm<sup>3</sup>

### Dry matter

(after mix)

$\pm 39,5$  %

can be diluted with 5 to 10 % of water

### Viscosity

(after mix and  $\pm 10$  % diluted)

$\pm 45$ " (DIN4, 20 °C)

### Mixing ratio

10 parts of HPC-5007

+ 1 part of PUR-1010

### Drying time

30 minutes = dust-proof

4 h = repaintable

12 h = sandable

7 days = completely hardened

### Stain resistance

Excellent

-view 'Chemical resistance' page 5-

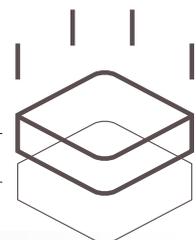
### Standard

VOC-rate in accordance with the latest European guidelines (DECOPAINT)



Topcoat

Primer



www.basin.be

# NO VISIBLE HPC-5007 + PUR-1010

TECHNICAL DATASHEET 2/5

## Iconography



Indoor

This product is suitable for indoor application.



Gloss

This product maintains the unique opacity of your wooden floor and has a gloss level of 2,5 to 3 % (at an angle of 60°), in proportion as to the sanding.



Stir Well

View 'Application' on page 4 for the correct instructions.



Pot Life

After mixing the 2 components the product can be used for **± 1 hour**.



Drying Time

The 1<sup>st</sup> layer is recoverable after 4 hours, the 2<sup>nd</sup> after a minimum of 10 hours. Sand after the 2<sup>nd</sup> layer, between the layers with grain P220.



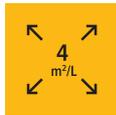
Roller / Brush

This product can be applied with a special microfibre roller MICRO-STAR HWZ-00713 (25 cm) or HWZ-00714 (10 cm) or brush HWZ-0049 / HWZ-0046.



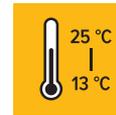
Spray Gun

This product needs to be diluted with 5 to 10 % of water when spraying.



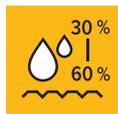
Consumption

One can finish  $\pm 4 \text{ m}^2$  with 1 L of product at a consumption of minimum  $240 \text{ g/m}^2$  (3 layers).



Temperature

This product can be applied at a temperature of 13 to 25 °C.



Humidity

This product can be applied at a humidity of 30 to 60 %.



Storage Temp.

This product needs to be stored at a temperature of 10 to 25 °C.



EXP Date

HPC-5007 and PUR-1010 can, when unopened, be used for 24 months.



Packaging

This product is available in 1,1 L (1 L + 0,1 L) / 2,5 L (2,25 L + 0,25 L) / 22 L (20 L + 2 L) as well as in boxes of 6 x 1,1 L and 4 x 2,5 L.



UV Filter

This product contains the necessary additives that strongly obstruct the gradual yellowing of the varnish as well as of the wood.



Abrasion

This product has an abrasion resistance of  $\pm 14 \text{ mg}$  (CS10 / 1.000 rotations) and  $\pm 30 \text{ mg}$  (CS17 / 1.000 rotations).



Mixing Ratio

Mix 10 parts of HPC-5007 with 1 part of PUR-1010.



VOC Level

This product contains only 23 g/L of Volatile Organic Compounds (after mixing) meaning that, during hardening, only 23 grams of these compounds are emitted per liter.



Frost

This product is not sensitive to frost (transportation).



Layers

This product must be applied in minimum 3 layers (or  $240 \text{ g/m}^2$ ).

# NO VISIBLE

## HPC-5007 + PUR-1010

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### Preparation of foundation

The foundation needs to be dry (humidity of the wood between 8 to 10 %), free of dust, dirt and grease. Therefore completely sand the foundation (finish with grain P120). If necessary, repair or fill connections, holes, cracks and tears with an appropriate sealant from the BASIFON-range of BASIN. Then sand again (finish with grain P120). Finally, run a test before starting the final treatment with NO VISIBLE.

### Preparation of tools

It is highly recommended to use a bucket HWZ-90814 with a roster HWZ-90703 in combination with the right microfiber roller HWZ-00713 / HWZ-00714 and grip HWZ-0070 / HWZ-00701 or brush HWZ-0049 / HWZ-0046 or spray gun (Ø 2.0) HWZ-01332. **Pay attention:** do not completely immerse the roller into the varnish + hardener.

### Primers

When working with clear wood species that are exotic, too porous and/or too acidic, we strongly recommend using a primer. In most cases, NO VISIBLE can be immediately applied on the rough wood (in 3 layers of minimum 80 g/m<sup>2</sup>/layer or 240 g/m<sup>2</sup> on finished parquet). NEUTRALATOR HBN-05100 + PUR-1060 strengthens the invisible effect of NO VISIBLE HPC-5007 + PUR-1010 on light wood and prevents discolourations. In some cases, e.g. when used on old wood, wood that is rich in tannic acid, old white sanded parquet etc., we recommend applying the hard solvent-based INVISIBLE PRIMER NC-21250 to prevent unwanted discolouration of the wood, and to finish with NO VISIBLE HPC-5007 + PUR-1010.

**Pay attention:** clear exotic wood species always need to be cleaned with INTENSIVE CLEANER AD-9300 or rinsed with THINNER TH-0609PUR. On sand-blasted floors and beams, one must always use the INVISIBLE PRIMER NC-21250 and finish with NO VISIBLE HPC-5007 + PUR-1010 to prevent rust-coloured stains and little black dots. For nailed wooden floors one must use inox nails or push in the nails and fill them up with BASIFON NC-0010 or BASIFON POWDER WV-XXXX.

### Stains

Before finishing a BASIN stain with NO VISIBLE on must always use a qualified primer. Always view the technical datasheet of said stain beforehand. In case of light water-based MSP-XXXX stains one must use the INVISIBLE PRIMER NC-21250. In case of dark MSP-XXXX stains one must use the ISOLATION PRIMER HBN-08700.

### Mixture

Stir the NO VISIBLE varnish well before adding PUR-1010. Mix 10 parts of HPC-5007 with 1 part of PUR-1010. Mix these mechanically or manually until you obtain a uniform mixture -since the hardener has a much higher viscosity than the varnish. For this, use mixer HWZ-90578. Add 5 to 10 % of water, if necessary. After this, the mixture can be used for **± 1 hour (!)**. **Attention:** avoid mixing too hard as to prevent foaming.

### ADVANTAGES

#### Ecological

Water-based and high dry matter.

#### No yellowing

The varnish and the wood do not yellow through time\* and perfectly maintain the colour and natural gloss of light wood species (rough wood look).

\*wood types that naturally yellow at a faster rate, can show a small degree of yellowing despite the high degree of protection.

#### Permanent components against the yellowing of the wood

Contains permanent components that obstruct the natural yellowing of the wood (with a total finish of 240 g/m<sup>2</sup> or 3 layers).

#### High abrasion resistance

± 14 mg (CS10 / 1.000 rotations)

#### No odour nuisance

#### Very low VOC level

± 23 g/L (after mixing)

#### Dries quickly

#### Stain resistant

#### Not sensitive to frost (transpiration)

#### Certificates



# NO VISIBLE HPC-5007 + PUR-1010

TECHNICAL DATASHEET 4/5

## Application

**1.** Apply the product in an even way and finish in the direction of the wood fibres. Apply in small areas of 2 m<sup>2</sup>. Only by doing so, one can ensure that the edges are applied wet-on-wet within 10 minutes. Don't apply too much pressure on the roller to make sure that the layers are thick enough. **2.** As it dries, the whitish shine of the product will disappear after a couple of minutes. Regularly check the consumption of the product. Make sure that the recommended consumption is respected ( $\pm$  1 L per 4 m<sup>2</sup> of finished parquet). **3.** After applying the 1<sup>st</sup> layer, a drying time of 4 hours is required (at a temperature of 13 to 25 °C and a humidity of 30 to 60 %). **4.** After applying the 2<sup>nd</sup> layer, a drying time of 12 hours is required -after which you sand this layer with grain P220 before applying the 3<sup>rd</sup> layer. Thoroughly clean the surface before applying a new layer. It is highly recommended to apply NO VISIBLE in 3 layers. **5.** Check the consumption at the end of the 3<sup>rd</sup> layer. The consumption must amount to a minimum of 240 g/m<sup>2</sup> (so 1 L per 4 m<sup>2</sup> of finished parquet). **6.** If this consumption is not obtained, a 4<sup>th</sup> layer will have to be applied in order to comply with the product's characteristics.

**Attention:** for residential use one must apply a minimum of 240 g/m<sup>2</sup>  $\pm$  300 g/m<sup>2</sup> for semi heavy use and  $\pm$  360 g/m<sup>2</sup> for heavy use (hall, kitchen, presence of pets, ...). At the 1<sup>st</sup> layer applied with a microfibre roller, the wood absorbs  $\pm$  120 g/m<sup>2</sup>; at the 2<sup>nd</sup> layer  $\pm$  80 g/m<sup>2</sup>; from the 3<sup>rd</sup> layer  $\pm$  60 g/m<sup>2</sup> -ask our technical service for advice beforehand. The microfibre rollers are only good for 50 m<sup>2</sup> (or 1 hour) since these harden and that way apply less lacquer. As a result one has to throw these away. This because you cannot rinse out a microfibre roller with a 2-component-varnish.

## Deployment

It is possible to carefully walk on the treated parquet after a drying time of 12 hours. The maximum hardness of the product is obtained after 7 days. The varnish may not be covered during this time.

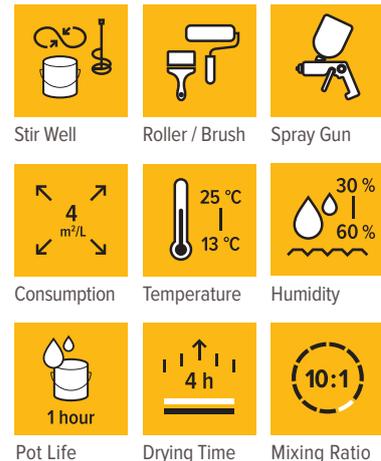
## Cleaning of tools

Clean the tools with water immediately after use. The rollers can only be used one time. Respect the environment. Do not dispose of any product in the sewerage, in water or on the ground. Let the remaining product dry out and dispose of it, together with the empty packaging, at the proper waste disposal.

## Maintenance

Dry cleaning with a microfibre cloth is required during the 1<sup>st</sup> week, until the varnish is fully hardened, to electrostatically absorb the dust. Afterwards, use WASH & WAX AD-5200 for regular maintenance. If the wooden floor contains light scratches, use MATT REFRESHER AD-9400. In case of stained or extremely dirty parquet, INTENSIVE CLEANER AD-9300 can be used. Consult the technical datasheet of said maintenance product.

**Attention:** one must use microfibre cloths (70/30). Once the floor is cleaned, the microfibre cloth must be washed in a washing machine to regenerate it ( $\pm$  300x).

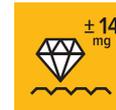


# NO VISIBLE HPC-5007 + PUR-1010

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## Chemical resistance

Below you can find the result of the chemical resistance test of NO VISIBLE HPC-5007 + PUR-1010, applied in 3 layers of 80 g/m<sup>2</sup>, in accordance to the European standard EN 13442. All below-shown tests were completed at an initial temperature of 20 °C.



Abrasion

**5:** No visible damage | **4:** Slight changes in colour or gloss | **3:** Slight changes in colour or gloss, without changes in the structure of the film | **2:** Visible changes in colour or gloss, without changes in the structure of the film | **1:** Visible changes in colour or gloss, structure of the film is damaged | **0:** Badly damaged surface

To obtain '5' on every level will depend on the quantity of applied varnish. View 'Application' on 4/5.

	<b>5</b> Water 24 hours		<b>5</b> Detergent (10 %) 24 hours		<b>5</b> Acetone 120 hours
	<b>4</b> Ethanol (50 %) 24 hours		<b>4</b> Red wine 24 hours		<b>5</b> Vinegar (4 %) 24 hours
	<b>5</b> Olive oil 24 hours		<b>5</b> Milk 24 hours		<b>5</b> Coffee 24 hours
	<b>5</b> Black tea 24 hours		<b>3</b> Black ink 24 hours		<b>3</b> Ammonia (10 %) 8 hours

**Attention:** a larger quantity of varnish improves the chemical resistance and abrasion resistance (4<sup>th</sup> and 5<sup>th</sup> layer). Consult technical information 218 and 272 of the WTCB for more information.

### Disclaimer

Due to the versatility of the products, application possibilities and application processes, this information is only given with the purpose to inform. It is highly recommended to check by yourself prior to performing the final works. Our experience has taught us that every user develops his own way of working. This information was provided, oral or written, on the explicit demand of the client. This information is given in good faith and based on the current experience of Basin ChemEco nv. There cannot be inferred by any means any responsibility on behalf of Basin ChemEco nv. Prices can change - the technical files can be modified by Basin ChemEco nv at any time without preceding inform - Basin ChemEco nv is not responsible for results caused by incorrect use of the product & instructions such as e.g. quantities, timing, choice of material, temperature, subsoil, influence of light etc. No guarantee whatsoever is given for a renovation.

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