



NO VISIBLE^{green} + HPC-5070 + ECO-2020

Basin[®]

a base for a better living

TECHNICAL DATASHEET 1/5

This invisible 2 component water-based varnish is designed for finishing new, untreated or freshly sanded parquet as well as other rough wood parts, providing a long-lasting and matt finish.

Pay attention: only suitable for light wood types and not suitable for veneers 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/cm³

Dry matter

(after mix and ± 8 % diluted)
 ± 34 %

Viscosity

(after mix and ± 8 % diluted)
 ± 36 " (DIN4, 20 °C)

Mixing ratio

10 parts of HPC-5070
+ 1 part of ECO-2020

Drying time

30 minutes = dust-proof
4 h = repaintable
12 h = sandable
7 days = completely hardened

Stain resistance

Excellent
(see Chemical resistance page 5)

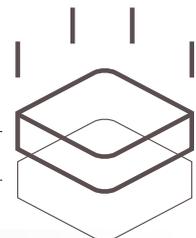
Standard

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



Topcoat

Primer



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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°)



Stir Well

View Application on page 4 for the correct instructions



Pot Life

After mixing the 2 components the product can, if hermetically closed and with unaltered viscosity, be used for **± 3 weeks**



Drying Time

The 1st layer is recoverable after 4 hours. The next layers have to be applied after a minimum of 10 hours (sand, after the second layer, between the layers with grain P220)



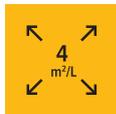
Roller / Brush

This product can be applied with a roller or brush



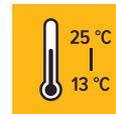
Spray Gun

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



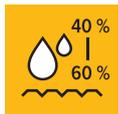
Consumption

One can finish **± 4 m²** with 1 L of product at a consumption of minimum 240 g/m² (80 g/m²/layer)



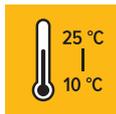
Temperature

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



Humidity

This product can be applied at a humidity of 40 to 60 %



Storage Temp.

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



EXP Date

HPC-5070 and ECO-2020 can, when unopened, be used for 24 months.



Packaging

This product is available in 1,1 L (1 L + 0,1 L) and 2,5 L (2,25 L + 0,25 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 UV filters to slow down the gradual yellowing of the varnish as well as of the wood



Abrasion

This product has an abrasion resistance of **± 39 mg** (CS10 / 1.000 rotations)



Mixing Ratio

Mix 10 parts of HPC-5070 with 1 part of ECO-2020



VOC Level

This product contains only 9 g/L of Volatile Organic Compounds (after mixing) meaning that, during hardening, only 9 grams of these compounds are emitted per liter

NO VISIBLE^{green+} + HPC-5070 + ECO-2020

TECHNICAL DATASHEET 3/5

Preparation of foundation

The foundation needs to be 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. Then sand again (finish with grain P120). Finally, run a test before starting the final treatment with NO VISIBLE^{green+}.

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.

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^{green+} can be immediately applied on rough wood (in 3 layers of minimum 80 g/m²/layer or 240 g/m² on finished parquet). NEUTRALATOR HBN-05100 + PUR-1060 strengthens the invisible effect of NO VISIBLE^{green+} HPC-5070 + ECO-2020 on light clear 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: 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 rush-coloured stains.

Stains

One needs to use the proper primer before finishing a BASIN stain with NO VISIBLE^{green+}. For this, view the technical datasheet of said stain.

Mixture

Stir the NO VISIBLE^{green+} varnish well before adding ECO-2020. Mix 10 parts of HPC-5070 with 1 part of ECO-2020. Mix these mechanically or manually until you obtain a uniform mixture. For this, use mixer HWZ-90578. Add 5 to 10 % of water, if necessary. After this, the mixture can be used for **± 3 weeks**.

Attention: avoid mixing too hard as to prevent foaming.

ADVANTAGES

More ecological

This product contains the revolutionary activator ECO-2020, which contains no isocyanates.

Longer pot life

The pot life of this 2 component varnish amounts to ± 3 weeks instead of 1 hour. Because of this, when using the varnish regularly, there will be less waste of product and time.

No yellowing

The varnish does not yellow through time* and perfectly maintains the colour and natural gloss of clear wood species.

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

Permanent anti-UV-components

Contains permanent anti-UV-components that slow down the natural yellowing of the wood (with a total finish of 240 g/m² or 80 g/m²/layer).

High abrasion resistance

± 39 mg (CS10 / 1.000 rotations)

No odour nuisance

Very low VOC level

9 g/L (after mixing)

Dries quickly

Stain resistant

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TECHNICAL DATASHEET 4/5

Application

1. Apply the product in an even way and finish in the direction of the wood fibers (or in the direction in which the light hits according to the type of placement). Avoid thickening. Apply in small areas of 2 m². Only by doing so, you can ensure that the edges are applied wet on wet within 10 minutes. Don't apply too much pressure to make sure the layers are thick enough. **2.** As it dries, the whitish shine on 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 m² of finished parquet). **3.** After applying the 1st layer, a drying time of 4 hours is required (at a temperature of 13 to 25 °C and a humidity of 40 to 60 %). **4.** After applying the 2nd layer, a drying time of 12 hours is required after which you sand this layer with grain P220 before applying the 3rd layer. Thoroughly clean the surface before applying a new layer. It is highly recommended to apply NO VISIBLE^{green}+ in 3 layers. **5.** Check the consumption at the end of the 3rd layer. The consumption must amount to a minimum of 240 g/m² (so 1 L per 4 m² of finished parquet). **6.** If this consumption is not obtained, a 4th layer will have to be applied in order to comply with the product's characteristics.

Attention: when spraying, you can only attain 50 g/layer/m² which means you will have to apply 5 to 6 layers. For intensive use, we recommend using 1 layer of NO VISIBLE^{green}+ and finishing with 2 layers of PROTECT HD-4008 + PUR-1020.

Deployment

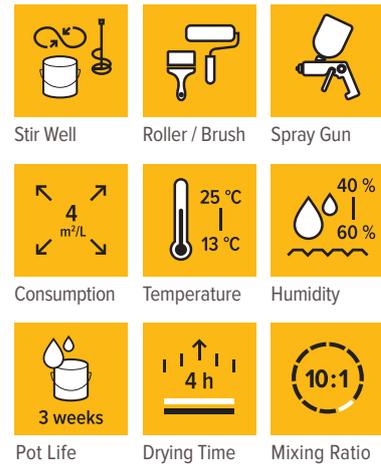
It is possible to carefully walk on the treated parquet after a drying time of 12 hours. The maximum hardness of the product is obtained after 7 days. The varnish may not be covered during this time.

Cleaning of tools

Clean the tools with water immediately after use, to ensure the rollers can be used multiple times. 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 microfiber cloth is required during the 1st week, until the varnish is fully hardened. Afterwards, use WASH & WAX AD-5200 for regular maintenance. In case of stained or extremely dirty parquet, INTENSIVE CLEANER AD-9300 can be used. Consult technical datasheet of said maintenance product.



NO VISIBLE^{green+} + HPC-5070 + ECO-2020

TECHNICAL DATASHEET 5/5

Chemical resistance

Below you can find the result of the chemical resistance test of NO VISIBLE^{green+} HPC-5070 + ECO-2020, applied in 3 layers of 80 g/m², 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



5
Water
24 hours



5
Detergent (10 %)
24 hours



5
Acetone
120 sec



4
Ethanol (50 %)
24 hours



4
Red wine
24 hours



5
Vinegar (4 %)
24 hours



5
Olive oil
24 hours



5
Milk
24 hours



5
Coffee
24 hours



5
Black Tea
24 hours



3
Black Ink
24 hours



3
Ammonia (10 %)
8 hours

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 can not 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 Chemie 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.

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