

For the creation of feel-good rooms

# RESOPAL® – THE SURFACE





## ORIGINAL RESOPAL®

ORIGINAL RESOPAL® is a decorative High Pressure Laminate (HPL acc. EN 438) and consists of several paper layers, core and decorative paper, which after impregnation with resin are pressed under heat and high pressure between form-giving steel plates to create a homogeneous sheet. The construction of the sheet can be varied practically without limit and adapted to the relevant requirements.

### Decor

The decor paper is usually color-impregnated or printed FSC-certified paper that can be of any color and bear any pattern. But textiles, wood veneers, metal foils, etc. can be embedded just as well. They remain protected permanently by the overlay.

### Surface

Textures and gloss grades can be pressed onto the surface which gives the respective decor an appropriate look and feel or even an entirely new texture of its own. The reverse is sanded for adhesion to all sorts of substrates.

### Thickness

The thickness of the sheet is varied by the core. The standard thickness for coating substrates is 0.8 mm. Sheets with thickness of up to several centimeters can be produced, also with decor on both sides.

### Quality

RESOPAL® is a duroplastic product that does not change further in its material character. Once pressed the sheets can indeed still be bent, but no longer molded (standard). For industrial processing, the resin can be modified so that the sheet can be reshaped after partial heating with a radius of up to 3 mm (postforming).

### Properties

RESOPAL® is among other things resistant to impact, scratching and abrasion, it is resistant to heat and light, insensitive to spots, easy to clean and to disinfect, resistant to water, steam, solvents and largely to chemicals. RESOPAL® can be finished as flame retardant, it insulates electrically and functions as barrier against diffusion from the substrate.

### Processing

RESOPAL® can be processed as easily as wood. On substrates a backing laminate on the reverse prevents the structure distorting with time.

### Environmental compatibility

**RESOPAL is environment-friendly during production, use and in final disposal. Its longevity is active environmental protection. More on page 08/09 or**





Overlay

Decor paper

Core paper



FRIGOMIL, Photo: Kurt van Strijthem

Wallaeys Designers, [www.oosthout.com](http://www.oosthout.com), Photo: Dirk Busschaert



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Bossuyt, Kuurne, Belgium

Wallaeys Designers, [www.shamrock.be](http://www.shamrock.be), Photo: Dtonic - [www.atomic.net](http://www.atomic.net)





Caravan interior fitting, Photo: Fuenf6 GmbH, Nürnberg  
Yacht interior, Bavaria Yachtbau GmbH





RESOPAL® PURE WHITE, Photo: contzentrade® photostudio

## RESOPAL® PURE WHITE White all the way through

A seamless finish is created by the consistently white RESOPAL® Pure White. Abutting edges and joints are virtually invisible – even when the edge is machined – due to the white core. Thus creating uniform room elements that are pure white.

RESOPAL® Pure White is available in the white tones 0105, 9417 and three surface finishes (60, EM, HW). Due to production reasons, there are colour deviations to the standard HPL with these decors.





RESOPAL® Direct – the self-adhesive RESOPAL®



District hospital Lüdenscheid, Photo: Lioba Schneider Fotodesign

## RESOPAL® DIRECT

### The self-adhesive RESOPAL®

With RESOPAL® Direct you can apply RESOPAL® even more simply than before. Now you can do away with veneer presses and glue-lines, switch to working directly on site, and attempt those awkward curved shapes. In fact, you can do it all yourself. Using the permanently elastic adhesive film applied to the back, RESOPAL® Direct like a conventional adhesive film. Peel off the protective film, lay the board down and press on, trim off the excess with a router or chamfer with a file. The adhesive film reaches its full adhesive strength after as little as 24 hours.

#### Areas of application

RESOPAL® Direct is perfect for most interior surfacing areas in a building. Using the self-adhesive RESOPAL® you can renovate door and furniture surfaces directly on site. It can even be used to redesign structures like exhibition stands in next to no time.

#### Delivery program

For RESOPAL® Direct nearly all the decors of the RESOPAL® collections are at your disposal. (see page 200).

#### Technical Data

- RESOPAL® Direct is a laminated sheet material according to EN 438
- Minimum radii on curved surfaces: convex (outside radius) 2500 mm, concave (inside radius) 500 mm
- Temperature resistance: min. 60 °C
- Storage capability at RT (20 °C) and 40 - 70 % r. F.: at least 1 year
- Other properties: See product data sheet RESOPAL® HPL

#### Product data

Quality B2 (to DIN 4102-1) Further product data on page 200.



RESOPAL® Magnetic – the magnetic RESOPAL®



RESOPAL<sup>2</sup> – in this case with wood decor and real metal film

## RESOPAL® MAGNETIC

### The magnetic RESOPAL®

For RESOPAL® Magnetic, a metal film is pressed into the RESOPAL®, giving the board magnetic properties so that paper etc. can be fixed to the surface of the coating material with magnets.

As the film is embedded in the Resopal and not on the surface, RESOPAL®-Magnetic has the same outstanding surface properties as all ORIGINAL RESOPAL® products.

## RESOPAL<sup>2</sup>

### Potentiated materiality

RESOPAL<sup>2</sup> stands for the seamless combination of two materials in one sheet. From an esthetic viewpoint, the effect of the materials used is mutually enhancing: Thus a naturally lively wood or solid color gains from the contrast with a perfectly polished cool metal, the hardness and coolness of the metal being also enhanced by contrast with the former. An imprinted material pattern such as wood or a solid color is pressed simultaneously with a real metal film (HPL EN 438).

Virtually any configuration can be realized. With the material mix without joints RESOPAL<sup>2</sup> you avoid jointing together or laying above one another with all the problems which always accompany a joint. The product is especially suitable for use on doors.

## RESOPAL®+HIPERCARE®

### Proven to be hygiene-active – even for MRSA

#### **RESOPAL® – the hygienic surface**

Since the patent was applied for 80 years ago, RESOPAL® has stood for maximum utility value. Therefore right from the start RESOPAL® was always used everywhere where hygiene was required.

#### **RESOPAL®+HIPERCARE® – the tested hygiene-active surface**

With RESOPAL®+HIPERCARE® (High Performance Care), we offer you the option to make especially sensitive areas „hygiene active“. Micro-organisms support the development of the human immune system but in extreme situations they can also run out of control. This is a risk found above all in hospitals where pathogenic germs may occur at an increased level, in foodstuffs that go bad very quickly and in humid and wet areas that provide an ideal breeding ground. Microorganisms are also undesirable in many other areas. In these cases, RESOPAL®+HIPERCARE® prevents the establishment and growth of micro-organisms on the surface.

#### **Possible applications include:**

- Hospitals, doctors surgeries, chemist shops, laboratories
- Large kitchens, restaurant kitchens, butcher shops, bakeries, food shops
- Sanitary facilities, bathrooms, outdoor and indoor swimming pools, saunas, toilets
- Counters, reception and consultation areas

RESOPAL®+HIPERCARE® are antibacterial. The active agents of HIPERCARE® are dissolved in the melamine resin used to saturate the decorative RESOPAL® layer and release their effectiveness in the event of any direct contact with the surface. In this way HIPERCARE® has been proven to prevent the establishment and growth of microorganisms. As integral components of the surface, they are automatically active for the entire period of use, even under high permanent exposure. These active agents are free of chloro-organic substances and do not have any toxic side effects.

RESOPAL®+HIPERCARE® is suitable for use with foodstuffs and safe to use through to the point of disposal. It is clean, hygienic and safe. Due to the optimized HIPERCARE® formulation, the components of which increase each other's effectiveness synergetically, the surface is permanently effective even against bacteria strains with antibiotic resistance such as the dreaded MRSA. Depending on the actual bacteria strain, the effectiveness can be proven within just a few hours. Although this hygienic effectiveness still requires you to clean the surface, it reduces the cleaning intervals and the quantity of disinfectants needing to be used.

RESOPAL®+HIPERCARE® are antibacterial, foodstuff-compatible and completely non-toxic for human beings. We are happy to send you the expert reports on request. RESOPAL®+HIPERCARE® is a High Pressure Laminate acc. to EN 438.



*District hospital Darmstadt-Dieburg, LSK-Architekten Darmstadt, Photo: Michael Lube*

*Reception counter Katharinenhospital Unna, Photo: Gereon Holtschneider*

