



LUCITE® Multi-Resist Pro

Type of Product

Functional paint based on an acrylate-mineral binder combination, highly covering, practically odourless, wet abrasion class 2, covering capacity class 1.

Intended Use

Ideal for high-quality wall and ceiling coating in sensitive areas, public buildings, surgeries, offices, kindergardens, shops, hospitals, old people's and nursing homes, rooms exposed to high germ loads, schools, food stores/food shops, food processing and producing companies, etc..

Perfect for applications on uncoated mineral surfaces such as plasters of the mortar groups P I, P II and P III, calcareous sandstone masonry, concrete, glass fibre fabric, woodchip, non-woven fabric and embossed wallpaper and styrofoam. In addition, it is possible to apply the product on plasterboard and old existing dispersion coatings after the appropriate pre-treatment of the surface.

To be applied exclusively in the interior.

Product Properties

- Free from solvents and plasticisers
- Free from all preservatives
- Free from fogging-active substances
- Mould resistant paint film without the use of environmentally harmful substances
- Bacteria resistant/resistant to MRSA (Methicillin-resistant Staphylococcus aureus – hospital germ), certificate available
- Hypoallergenic
- Non-corrosive as opposed to silicate systems
- Easy to apply
- Abrasion resistant
- Environmental-friendly / odourless drying
- Water-dilutable

Packaging: 5 litres / 12 litres

Colours: white /

LUCITE® Multi-Resist Pro can be coloured without any effect on the gloss adding up to 5% of a suitable toning colour. Nevertheless, product characteristics may change when colouring the product. The indicated values and technical data refer to the Ready-White product.

Basic products: B 0 = transparent (serves as the base to obtain intensive colours)
B 3 = ready white (serves as the base to obtain pastel shades)

When colouring the product preservatives may be added to the colour.

Technical Data

Degree of gloss: dull matt

Wet abrasion class according to DIN EN 13300: 2

Covering capacity class according to DIN EN 13300: 1 (when applying 7 m²/l)

Binder: hybrid-acrylate system

Density (20°C): 1.42 – 1.46 g/ml (average value)

Vapour permeability: sd-value = 0.03 m

determined according to standard EN ISO 7783-2; referring to a complete coating with a total consumption of approx. 400 ml/m².

Viscosity: the product is ready for use and does not drip

Consumption: **Airless spray application**

approx. 200 ml/m² per coat

The exact consumption can only be determined by coating a test area as it depends on the surface to be coated, its conditions and the chosen nozzle (size of nozzle/ spray angle).

Brush and roller application:

approx. 125-150 ml/m² per coat depending on the surface, consumption increases proportionally on profiled surfaces. The exact consumption can only be determined by coating a test area.

Application temperature: minimum + 8° C (applies to air and surface temperature)



Application Data

Drying time with 20° C and 60 % relative humidity:

after approx. 4 hours superficially dry and overpaintable,
completely dry after approx. 2 - 3 days.

Low temperatures and/or high humidity may cause longer drying times.

LUCITE® Multi-Resist Pro is ready for use, stir thoroughly before use.

If necessary dilute product with water, depending on the absorption capacity of the surface add up to 5 %.

Avoid accumulation of too much paint in corners and cavities.

Application methods:

Brush / roller / spraying (airless)

Airless spray:

nozzle = 0.021 – 0.026 inches = 0,53 – 0,66 mm
pressure = 150 - 180 bar
spray angle = 50°
viscosity = diluted with max. 5 % water

Please note:

The functionality of the coating is given only when applying two saturating coats of the product.

To preserve the specific qualities of the product do not mix LUCITE® Multi-Resist Pro with other coating products or materials.

After processing and drying LUCITE® Multi-Resist Pro may show the typical surface structure of mineral paints.

Depending on the size of the surface to be painted we recommend to apply the product wet-in-wet in order to minimize the formation of stripes, transitions and lap-marks.

The product achieves its full covering capacity only when completely dry.

Overpainting the product too early may cause transition marks and/or differences in the covering capacity (risk of stripe forming especially on ceilings).

Storage:

Store tightly closed original containers in a dry, cool and frost-free place.

Recommended tools:

Rollers with a 100 % polyamide or nylon yarn cover, solvent-resistant / for dispersion- and latex paints / pile height 12 - 14 mm.

Cleaning of equipment:

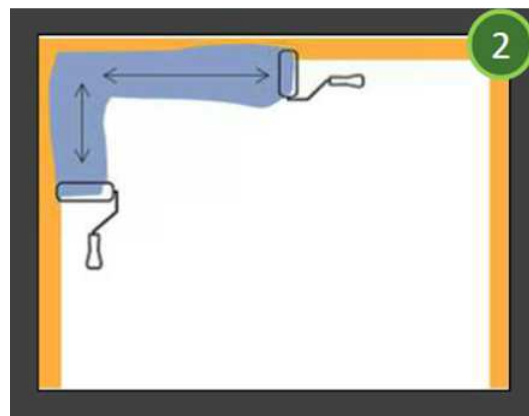
Clean all equipment (spray pistol, roller, etc.) with water immediately after use.



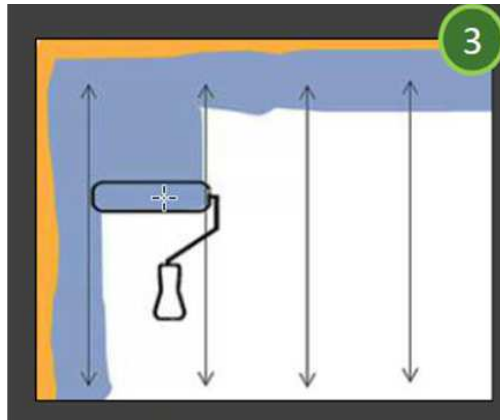
Application Instructions



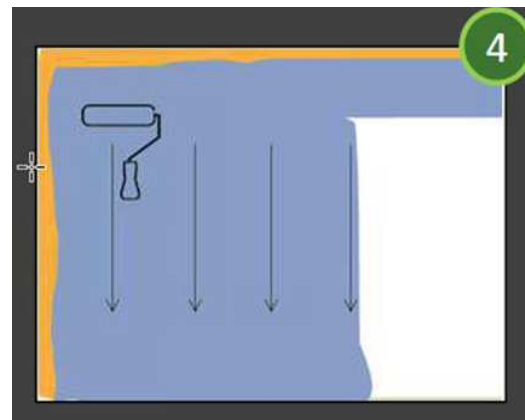
Protect areas that will not be coated (floor, ceiling, wall) with masking tape.



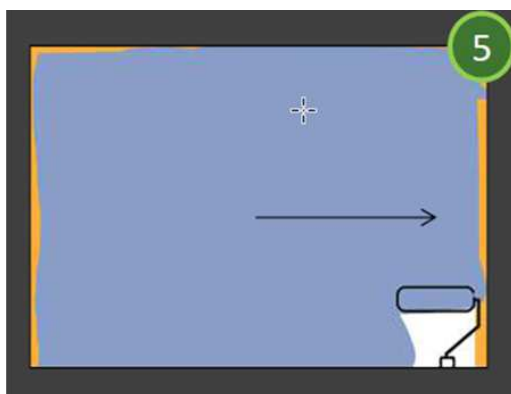
Cover corners using a small surface roller (for example polyamide / Storch DuraStar).



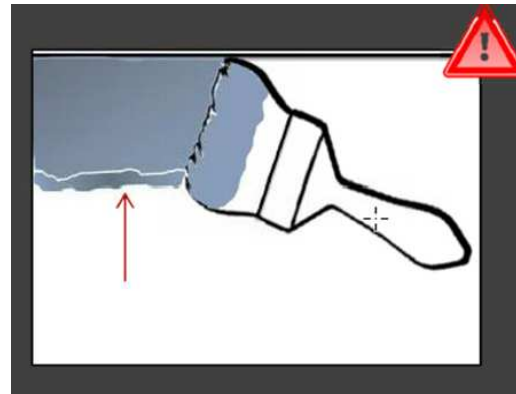
Then coat surface using a big roller (for example polyamide / Storch DuraStar). First apply approx. 4 overlapping strokes.



After that roll surface from top to bottom.



Repeat 3 and 4 until the wall is completely coated.



Applying the product by brush take care to avoid paint defects to obtain a smooth surface.

Special Information

Surfaces must be dry, clean, stable and intact, free from substances which may prevent good adhesion, without efflorescence, discoloration, fungal infection, sintered and floury layers.

Remove infestation of algae or mould completely then treat cleaned surfaces chemically. Please observe legal and official regulations.

Always test if existing old coats are suitable for the proposed coating system, for their ability to carry the coating and if they provide good adhesion.

Preparing the surfaces and applying the product always observe the VOB, part C, paragraph 3 of DIN 18363, as well as the respective BFS leaflets of the Bundesausschuss Farbe und Sachwertschutz, (Federal Committee of Colour and Property Protection), Frankfurt am Main/ Germany. During cleaning works observe legal regulations.

Application Cycle

Surfaces *	Pre-treatment	Priming coat	Finishing coat
Plasters of the mortar groups P Ic, P II, P III and old existing plasters of mortar group P I	Clean	LUCITE® Multi-Resist Pro + 5 % of water	LUCITE® Multi-Resist Pro
Calcareous sandstone	Clean / if necessary brush off salt efflorescence	LUCITE® Multi-Resist Pro + 5 % of water	LUCITE® Multi-Resist Pro
Concrete	Clean, if necessary remove any separating agent residues	LUCITE® Multi-Resist Pro + 5 % of water	LUCITE® Multi-Resist Pro
Existing old coats of mineral or silicate paints which offer good adhesion	Clean	LUCITE® Multi-Resist Pro	LUCITE® Multi-Resist Pro
Existing old coats of matt dispersion paints which offer good adhesion	Clean	LUCITE® Multi-Resist Pro	LUCITE® Multi-Resist Pro
Gypsum / Plasterboard	Clean / remove filler burrs or sand sintered layers	LUCITE® Multi-Resist Pro	LUCITE® Multi-Resist Pro
Glass fabric / Glass fibre fleece	-	LUCITE® Multi-Resist Pro	LUCITE® Multi-Resist Pro
Woodchip, non-woven and embossed wallpaper	-	LUCITE® Multi-Resist Pro	LUCITE® Multi-Resist Pro

* On strongly absorbing surfaces always apply a water-dilutable priming coat (for example LUCITE® Sealer) first.

If discoloration is expected due to water-soluble colouring substances contained in the surface first of all apply LUCITE® Multi-Primer as a priming coat (see BFS leaflet no. 12).



Safety Data

For the classification and labelling of the product please see the current safety data sheet; this can be downloaded at <http://www.cd-color.de/de/infocenter/downloads/datenblaetter-sd-tm.html>.

Product code / GISCODE (Gefahrstoff-Informationen-System-Code - Dangerous Substances Information System Code) **in accordance with BG BAU** (Berufsgenossenschaft der Bauwirtschaft - Construction Industry Professional Association) – **GISBAU** (Gefahrstoff-Informationen-System der BG BAU - Dangerous Substances Information System of the Construction Industry Professional Association):

See product label and the current safety data sheet (section 7.3).

You will find the operating instructions for use in accordance with § 14 of the German Hazardous Substances Regulation at <http://www.wingis-online.de/>

Please observe the information given in the Safety Data Sheet

Special Information

Always observe the guidelines of the Bundesausschuss Farbe und Sachwertschutz, Frankfurt am Main/ Germany (BFS).

When working on surfaces containing asbestos comply with Technical Rule for Hazardous Substances (TRGS) 519.

In case of unknown surfaces or surfaces not mentioned in the present technical data sheet we recommend, after consulting our technical service, to test the product on a sample area. An adhesion test (cross-cutting test) according to DIN EN ISO 2409 has to be carried out.

When coating surfaces that form a unit optically, ensure that all the material used is from the same batch. If this is not possible, a sufficient amount of material from different batches should be mixed together in advance and stored for further processing (for example for a façade gable).

Surfaces must be dry, clean, stable and intact, free from substances which may prevent good adhesion, without tension, deformation, cracks and salts. Remove sintered layers (observe the VOB, part C, DIN 18363, paragraph 3).

Always test the surface for its ability to carry the proposed coating system. Remove old coatings which are damaged and do not provide good adhesion.

Do not apply the product in case of high humidity.

The product is not suitable for applications on existing varnish coats, surfaces with efflorescence of salt, plastic material and wood.

Do not apply the product on horizontal surfaces with persistent exposure to water.

Masonry must be free from rising humidity and from any moisture below the surface.

Before starting the application process clean surfaces contaminated for example with soot, nicotine, grease, oil etc. If discoloration from nicotine or other substances contained in the surface is expected isolate surfaces with the appropriate product.

The functionality of the coating is only given when applying two saturating coats of the product.



If the coating film comes into contact with products containing plasticisers (door and window seals) it is necessary to request a certificate of compliance from the sealing profile manufacturer or to carry out a test coating.

In case of insufficient ventilation and/or using spraying methods wear the appropriate respirator.

Low temperatures and/or poor ventilation can have a negative effect on the drying.

Always read the labelling and product information before use.

Cover all areas not to be coated. Remove drips of colour whilst still wet from all surfaces with water.

General Information

The above detailed information about the product has been prepared according to the latest technological developments and application techniques and is of pure advisory nature. Our products are described and information is provided as to their application and processing.

However, in view of the great variety of working conditions and materials used, we cannot cover every individual case in our descriptions.

Maintenance and renovation works carried out in time are necessary for the durability of the products.

Unless we explicitly promised specific properties and the suitability of the products for a particular application in writing, all technical application advice provided, even when given to the best of our knowledge, is definitely non-binding.

Legal liabilities do not result from the above information.

All our technical application recommendations regarding the products, which we provide to support the purchaser / processor on the basis of our experience and to the best of our knowledge in accordance with the latest state of the art, are non-binding.

The recommendations do not establish any legal relationship or any secondary obligation resulting from the purchase contract. In addition, they do not release the purchaser / processor from his responsibility to examine whether our products are suitable for their intended use.

To the rest, our general terms and conditions apply.

With the publication of this technical data sheet the information given in earlier issues are no longer valid.

Please dial 0049 (0)2330 / 926 184 for information for allergic persons.

For further technical and other information please contact our technical applications department under telephone number 0049 (0)2330 / 926 285.

In addition, you can find further information on our web page www.cd-color.de. All product related Technical Data Sheets and Safety Data Sheets can be found here.

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Leistung verbindet

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