



DELTA[®] Allprimer / Mix

Type of product

Universal matt priming coat based on a special binder combination.

Intended use

Matt priming coat for the coloured priming of wooden surfaces like windows and doors, wood-based materials without separating agents, non-ferrous metals (for example aluminium, copper, zinc), rigid PVC and other surfaces before applying subsequent coats. Anti-corrosion priming coat for iron and steel surfaces. Suitable for the interior and the exterior.

Product properties

- very high corrosion protection
- contains active anti-rust pigments
- can be painted over with paints/varnishes with a high content of solvents
- colourable
- lead-free and chromate-free according to DIN 55944
- good flow
- high covering capacity
- easy to apply
- priming coat for radiators

Packaging

Ready product: 0,75 l / 2,50 l

Mix product: 1,00 l / 2,50 l

Ready colours: white
RAL 9005 deep black
RAL 8011 nut brown
RAL 7001 silver grey
RAL 6011 reseda green
RAL 3009 oxide red

MIX colours: RAL, NCS and many other colour collections currently available on the market can be obtained using the MixPlus toning technology.

Products are mixed according to specific customer requests.
Return and exchange are excluded.

Before starting the application check colour accuracy of the products obtained with the MixPlus Toning Service. The products have to be applied immediately after mixing.

Basic colours: 2 = half white
3 = full white

All colours can be mixed with each other.

Technical data

Degree of gloss: matt < 10 GU (angle 85°)

Viscosity: the product is ready for use

Consumption: approx. 100 ml/m² per coat on a vertical and smooth surface
(the exact consumption can only be determined by coating a test area)

Density: white = 1,33 g/ml
basic colour 2 = 1,34 g/ml
basic colour 3 = 1,33 g/ml

**Drying time with 20°C/
60% of relative humidity:** dust dry after approx. 1 h
overpaintable after approx. 4 - 6 h
completely dry and sandable after 12 - 16 h
Low temperatures and/or poor ventilation may effect drying negatively.

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

Application

Do not apply the product in direct sunlight and under unsuitable weather conditions (for example with high air humidity, precipitation, fog, trapped moisture or strong winds).

Do not apply the product with low ambient temperature and on cold surfaces (below the dew point).

Do not expose surfaces coated with DELTA® Allprimer / Mix to rain or humidity unprotected. Exterior surfaces should be painted over as soon as possible with the appropriate finishing varnish.

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

Application methods: brush / roller / spaying

Airless spray: undiluted
nozzle size approx. 0,012 – 0,017 inch
air pressure approx. 160 bar (depending on equipment used)

Air-coat spray: undiluted
nozzle size 0,012 - 0,017 inch
pressure approx. 50 - 60 bar
air pressure 3 - 4 bar

Cleaning of equipment: Clean all equipment after use with the thinner DELTA® Universal-Verdünnung or use white spirit

Preparation of surfaces

Surfaces must be clean, dry, stable and intact. Remove all substances which may prevent good adhesion like dirt, wax, oil and grease (see VOB (Vergabe und Vertragsordnung für Bauleistungen - German contracting regulations for construction works) DIN 18363, part C). Test adhesion capacity of surfaces.

Remove loose particles or flakes, clean old coatings with caustic lye then sand thoroughly. Sand coated surfaces after every coat applied using the adequate abrasives (abrasive paper, for example 280 grit or less / abrasive pads, for example Mirca or 3M).

In case of unknown surfaces we recommend, after having consulted our technical services, to test the product on a sample area. An adhesion test according to DIN EN ISO 2409 has to be carried out.

The product is not suitable for applications on polyethylene, polypropylene and anodized aluminium.

In case of doubt please consult our application technology department.

Application cycle

Dimensionally stable wooden surfaces:

1. As priming coat apply DELTA® Allprimer / Mix undiluted.
2. If necessary, apply as an intermediate coat undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.
3. As a finishing coat apply undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.

Wooden surfaces require maintenance:

Coated wooden construction elements must be checked and maintained regularly in order that damage to the construction element or the coating is prevented. Therefore, we recommend that coated wooden construction elements are regularly checked and evaluated by an expert and that defects in the construction element or coating found are immediately eliminated in a professional manner.

Aggressive substances such as stronger acids, alkaline solutions, disinfectants, organic dyes (for example tea, coffee, red wine) may alter the colour of the varnish film, however, its functionality is not influenced.

The maximum wood moisture may not exceed 15 %.

Iron / Steel:

1. Derust corroded iron and steel surfaces mechanically by at least using hand or power tools, in certain cases derust to industry standard Sa 2 ½ (sandblasting). In case of doubt consult our application technology department.
2. Depending on the degree of wear apply as a priming coat DELTA® Allprimer / Mix or DELTA® 2K Haftgrund undiluted.
3. Depending on the application apply as an intermediate coat undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.
4. As a finishing coat apply undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.

Non-ferrous metals (aluminium, copper etc.) / Rigid PVC:

1. Clean aluminium surfaces with nitro-thinner using a brush, then wipe surfaces with a clean cloth. Sand surfaces with an abrasive pad (for example Scotch Brite). Remove sanding dust with a cloth soaked in solvent until the cloth shows no residue of sanding dust (see BFS (Bundesausschuss Farbe und Sachwertschutz – Federal Committee of Colour and Property Protection)- leaflet number 6).

2. As a priming coat apply DELTA® Allprimer / Mix undiluted.
3. As a finishing coat apply undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSICS, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.

If necessary or depending on the colour apply an additional intermediate coat of undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.

Galvanized surfaces:

1. Clean galvanized surfaces with an ammonia wetting agent using abrasive pads subsequently wash with clean water (see BFS-leaflet number 5).
2. Apply two priming coats using DELTA® Allprimer / Mix undiluted.
3. Depending on the application use as an intermediate coat undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.
4. Depending on the application use as a finishing coat undiluted alkyd resin varnishes containing solvents of the product line DELTA® LACKCOLOR PREMIUM CLASSIC, as for example DELTA® Buntlack HG / Buntdelta or DELTA® Buntlack SG / Samtcolor, or other undiluted varnishes based on alkyd resins of the DELTA® System product range.

Safety Data

For the classification and labelling of the product please see the current Safety Data Sheet; this can be downloaded at <http://www.delta-lackcolor.de/delta-de/service/infomaterial/sdb.php>.

Product Code / GISCODE (Classification System) 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 German Construction Industry Professional Association):

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

You will find the instructions for safe 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

Apply the product only in adequate weather conditions (not with high air humidity, precipitation and trapped moisture).

The maximum wood moisture may not exceed 15 %.

Surfaces must be dry, clean, stable and intact, free from substances which may prevent good adhesion, without tension, deformation, cracks and salts.

Preparing the surfaces and applying the product always observe the VOB, part C, 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.

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.

Processing the product we recommend to wear the appropriate protective equipment (see current Safety Data Sheet).

When coating wood panels (ceilings etc.) spalling as a consequence of dimensional changes cannot be excluded in the area of tongue and groove joints. This applies to all film-forming coating materials.

In case of surfaces not mentioned or in difficult cases consult our technical service or one of our field staff.

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

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

When applying the product on metal or non-ferrous metal constructions ensure that temperature does not fall under the dew point.

When exposed to physical agents (in rooms which are badly or poorly illuminated, thermal load etc.) or chemical agents (for example ammonia vapours) all alkyd resin varnishes are prone to yellowing or discoloration, especially the white and light colour shades.

Do not mix aromatic-free varnishes with varnishes containing aromatics.

Provide good ventilation both during processing and drying.

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

Under certain circumstances, the permissible VOC limit value may be exceeded when adding thinners to the product.

Due to the material specific odour of solvent-based alkyd resin varnishes we recommend the water-based products of our varnish system DELTA® LACKCOLOR Premium Aqua for use on large surfaces in the interior (for example on different surfaces of walls and ceilings or the internal surfaces of furniture).

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.

Hotline for persons prone to allergies under 02330 / 926 184.

For further technical and other information please contact our Contact Management / technical applications department under telephone number 02330 / 63 243.

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

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