

Technical Data Sheet

Technical information for planners and users. Published January 2014

Product Information

Manufacturer

Architects Paper
a brand of A.S. Création Tapeten AG
Südstr. 47
51645 Gummersbach
www.architects-paper.com

Product Name



Quick Start Guide

- The surface must be clean, firm, dry, smooth, and stable with a uniform low absorbency
- Use only rolls with the same design and batch number and the same roll dimensions for each area
- Use only paste-the-wall technique – Roll up strips with the non-woven backing facing outward
- Ensure exact tight seams
- Ensure that paste does not come into contact with the wallpaper surface – if it does, remove immediately with a damp sponge
(paste stains will show up after painting)
- Smooth the wallpaper with a sponge rubber roller or brush, ensuring no blisters or creases form. Do not use a smoother
- Do not reverse alternate strips, either room-height ones or the shorter ones above doors and windows
- Pigment ECO is only suitable for solvent free and plasticizer resistant paints
- Ask your wholesaler or stockist about suitable products
- Test the product in an inconspicuous area before final coating
- Allow long open times for thin film paints
- A tip for coating paints: Use a 14 - 16mm lambswool roller to achieve optimum results
- If you primed cropping areas for coating paints with a brush you must go over them again with a short pile paint roller
- Work only wet-on-wet in cropping areas
- Tip: Do the painting in pairs to avoid uneven drying and paint finish

Product Specifications/Materials

- Wallpapers of the Pigment ECO collection are produced on a non-woven FSC-certified carrier.

Pigment ECO non-woven wallpaper

- has specially developed PVC-free surfaces, allowing customising walls with coating paint
- must be painted over with a colour of your choice

Technical Data Sheet

Technical information for planners and users. Published January 2014

- does not require soaking and must be hung using paste-the-wall technique
- can be completely stripped off dry when redecorating at a later date if the wall surfaces have been pre-treated appropriately and the correct paste has been used
- It is:
 - skin-friendly because it does not contain glass fibres
 - dimensionally stable – therefore, no soaking time is required
 - crack-bridging (hairline and fatigue cracks)
 - permeable to water vapour
 - paintable with solvent free and plasticizer resistant paints
 - flame resistant in accordance with EN 13501-1
 - PVC-, plasticizer- and solvent-free

Technical Data

- Roll dimensions: 10.05 x 0.53m (standard roll), 25.00 x 1.06m (jumbo roll); may vary by +/- 1.5%
- Optimum environmental conditions for hanging: 18°C and a relative humidity of 65%
- The wallpaper needs approx. 24 hours to dry, depending on temperature, relative humidity and surface characteristics
- Permeable to water vapour, in accordance with DIN 53122 and DIN 52615 respectively
- According to European SBI standard, flame resistant in combination with mineral-based surfaces and non-flammable structural panels (in accordance with EN 13501-1)
- Must be stored upright in cool and dry conditions

Usage & Application

Areas of Use

All Architects Paper wallpapers meet high environmental standards. They are free from glass-fibres, solvents, formaldehyde and heavy metals. The particularly environmentally-friendly Eco non-woven wallpaper goes one step further: It is completely free of PVC and softening agents – all without compromising on material quality or ease of use.

Pigment ECO has been developed specially for colourful wall décor. It is particularly suitable for use in offices, hotels, hospitals, care homes, nurseries etc. as well as private residences.

Pre-Treatment of Wall Surfaces

First, you need to test the surface for a smooth set, firmness, stability, dampness and alkalinity. See also VOB, part C, DIN 18363, para 3.1.1, and BFS Leaflet No. 16 "Technical Guidelines for Wallpapering and Adhesion".

Products of the Pigment ECO collection can be applied to all interior surfaces suitable for wallpapering (e.g. interior plaster, concrete, plasterboard and fibre cement). However, the surface must be clean, firm and smooth with a uniform low absorbency, and must be carefully prepared. Remove old wallpaper and non-adherent paint. Rough wall surfaces must be smoothed with a suitable filler. Pre-treat highly absorbent surfaces with a primer (e.g. Metylan wall primer for non-woven wallpaper).

Technical information for planners and users. Published January 2014

You will achieve the highest quality level Q4 by full surface filling and smoothing. In most cases you may be able to achieve comparable results with Q3 filling followed by papering with non-woven lining (Item No. 95488-1 or 95489-1).

Lightly coloured paint needs a background in a similar shade. This can be achieved by applying a coloured wallpaper primer before papering.

Papering

During papering and drying time the ambient temperature should be constant at approx. 18°C. It is essential to avoid direct sunlight and any draughts as well as heating of the room during drying. If the wallpaper dries too quickly the seams may open out. This will be clearly visible when the paper has been painted. Do not paper if either the ambient or object temperature is below +10°C.

Check that all rolls to be used have the same design and batch number before unwrapping. Use only rolls with the same roll dimensions. Always follow the instructions of the relevant BFS Leaflets.

Use only paste-the-wall technique for products of the Pigment Eco collection. We recommend using roller wallpaper paste for non-woven material (e.g. Metylan Direct Control, all-purpose adhesive).

Apply the paste thinly and evenly to a paper-width wide section of wall with a paint roller. Make sure to read the manufacturer's instructions. Ensure that no paste comes into contact with the wallpaper surface. If it does, remove immediately with a damp sponge. Paste stains will show up after painting.

How you paper depends on your chosen overall design. However, we generally recommend hanging the paper vertically, moving away from the source of light. Put the wallpaper into the paste tray. Ensure exact tight seams and smooth the wallpaper with a sponge rubber roller or wallpaper brush, avoiding any blisters. Do not use a smoother. Pay attention to the pattern repeat as indicated on the package insert. Do not reverse alternate strips, either room-height ones or the shorter ones above doors and windows.

Wrap the wallpaper strip approx. 8cm around an outer corner. Then let the following one overlap by approx. 6cm. Cut through both strips at the double seam by hand, using a double cut wallpaper knife. Then remove the excess paper. Apply a little bit more paste to the seam area if necessary. Alternatively, you could use a corner profile for wallpaper. No matter which method you opt for, you must pay attention to the pattern run of the design.

In critical areas, such as corners and double seams, you may need to use a special additive to increase adhesion of the paste (e.g. Metylan Ovalit T). However, this may have an adverse effect on your ability to completely strip the paper off dry.

Use a plastic spatula to stick the paper firmly to the wall into the edge at the ceiling, skirting board, window etc. Then cut off the excess carefully with a sharp cutter. Do not overlap Pigment ECO products at inner corners; make a double seam cut instead.

Choice of Colour/Paint

Make sure you leave sufficient time for the wallpaper to dry. Only start painting when the wallpaper has completely dried out. Depending on temperature and humidity, this happens usually overnight.

We generally recommend testing the desired colour effect on a sample piece with the paint you are planning to use.

Technical Data Sheet

Technical information for planners and users. Published January 2014

That way you will get an idea how well the wallpaper absorbs the colour. You must only use solvent free and plasticizer resistant paint.

Pigment ECO is unsuitable for varnish.

Ask your wholesaler or stockist about suitable products. Also pay attention to the manufacturer's technical data sheets. It is best to always work wet-on-wet, i.e. swiftly and without interruption. You will achieve best results with a 14 - 16mm lambswool roller. If you used a brush to apply coating paints to cropping areas you must go over them again with a roller. We recommend that you only use thin film paint and allow long open times.

Tip: Do the painting in pairs to avoid uneven drying and paint finish.

Symbols & Norms

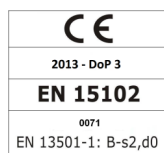
Symbols



Coating Paint

Solvent free and plasticizer resistant coating emulsion paint must be used.

Items: 95302-1; 95303-1; 95345-1; 95346-1; 95347-1; 95348-1; 95349-1; 95350-1; 9610-13; 9611-12; 9613-10; 9614-19; 9618-15; 9619-14; 9634-13; 9635-12



CE - Mark

Fire protection classification according to EN 13501-1



RAL - Quality Mark

Norms

The RAL German Institute for Quality Assurance and Certification in St Augustin is the most important authority on the subject of quality assurance. In collaboration with the Institute strict quality specifications for wallpapers have been developed. These by far exceed the legal requirements. Adherence to these standards is constantly monitored by an independent party.

As well as RAL-GZ 479 the following current European standards are applied in the production of the Pigment collection on non-woven material:

- DIN EN 233 Specifications for finished wallpapers, wall vinyls and plastics wallcoverings
- DIN EN 235 Wallcoverings – Vocabulary and symbols
- DIN EN 12149 Determination of migration of heavy metals and certain other elements, of vinyl chloride monomer and of formaldehyde release

Technical Data Sheet

Technical information for planners and users. Published January 2014

- DIN EN 12956 Determination of dimensions, straightness, spongeability and washability
- DIN EN 13501-1 Fire classification
- DIN EN 15102 CE marking

Note

The statements above are general recommendations only. Usage and application are beyond our control. Therefore, the information given by us does not exempt the user from testing the suitability of our products for the intended purpose and processes. Complaints will be considered only if fewer than 2-3 strips have been mounted. Furthermore, complaints will be considered only if accompanied by some form of proof (sample piece and package insert).

This data sheet will become obsolete as soon as a new edition is published as a result of technical improvements.