

# Technical Data Sheet

Technical information for planners and processors

**AS CREATION**

**THERMO  
WALL**

## Product Description

### Manufacturer

A.S. Création Tapeten  
AG, Südstr. 47  
51645 Gummersbach  
www.as-creation.de

### Product Name

Thermo-Wall / PVC-coated nonwovens

### Product characteristics / materials

Thermo-Wall nonwoven coating products are manufactured using the following raw materials:

- Backing material: 130g/m<sup>2</sup> nonwoven material (FSC-certified)
- Coating: 100 – 200 g/m<sup>2</sup> PVC Plastisol (all ingredients REACH-compliant)
  - PVC 30 - 65 %
  - Plasticisers (phthalate-free) 15 - 40 %
  - CaCO<sub>3</sub> 10 - 30 %
  - Pigments 0 - 10 %
  - Additives 0 - 15 %
  - Propellants 0 - 5 %

- Thermo-Wall does not need any soaking time
- All ingredients are REACH-compliant
- Thermo-Wall can be completely dry-stripped when redecorating if the wall surfaces have been properly prepared
- Thermo-Wall is:
  - Skin-friendly, as it does not contain any glass fibres
  - Dimensionally stable — therefore no soaking time required
  - Highly permeable to moisture
  - Flame-resistant in accordance with EN 13501-1
  - Phthalate-free
  - Sound absorbing

### Technical data

- Dimensions: 10.5 m x 0.53 m (Euro roll), 10.05 m x 1.06 m (large roll) Sizes may vary according to DIN 233
- Hanging at 18°C and relative humidity of 65% is ideal
- Drying time approx. 1-2 days, depending on temperature, humidity, wallpapering surface
- In combination with mineral-based surfaces and non-flammable panels very flame-resistant in accordance with EN 13501-1 (Please note EC marking)
- Must be stored upright in a cool, dry place
- Wallpapers are manufactured in batches, therefore apply only wallpaper from the same batch in each room

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## Use/Application

### Surface Preparation

Surfaces must first be tested for stability, firmness, load-bearing capacity, moisture and alkalinity. See also VOB, part C, DIN 18363, paragraph 3.1.1. and corresponding BFS data sheets.

Thermo-Wall can be applied to all interior surfaces suitable for wallpapering. However, the surface must be carefully prepared and must be clean, firm, absorbent and smooth. Old wallpaper and loose paint must be removed. Rough wall surfaces must be smoothed with a suitable filler. Sandy or highly absorbent surfaces must also be primed with a white-pigmented wallpaper primer.

In order to even out colour differences in the surface and achieve a uniformly absorbent surface, a white-pigmented primer is always recommended for nonwoven wallpapers.

The highest quality level Q4 is achieved by filling and smoothing the whole surface. In most applications Q3 is sufficient as regards filling.

### Application

During application and drying, the room temperature should be constant at approx. 18 °C. It is essential to avoid direct sunlight and draughts and to ensure that the room does not become too hot during drying.

Before hanging the rolls, check that they have the same batch number. When hanging them, make sure that you read the instructions on the back of the insert and the relevant BFS data sheets.

Thermo-wall should be applied using the paste-the-wall technique. We recommend using nonwoven paste (e.g. Metylan Direct) for the paste-the-wall technique.

**Generally we recommend adding 20% adhesive strength enhancer (Ovalit T).**

When hanging with the paste-the-wall technique, apply the paste thinly and evenly over the surface with a paint roller. The WEBEX backing must be applied to the wall.

Paperhanging depends on the selected design. However, we generally recommend hanging the paper vertically, away from the source of light. Apply Thermo-Wall to the damp adhesive, making sure that no bubbles form, and hang the pasted strips vertically. Join subsequent strips edge-to-edge and smooth out any bubbles with a sponge roller or wallpaper brush.

Remove any surplus paste immediately by dabbing with a damp natural sponge. Rubbing the paste may leave slight stains.

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## Symbols and Standards

### Symbols



**Good lightfastness**



**Highly-washable**

Dirt can be removed with slightly soapy water and a sponge. Grease or solvent stains cannot be removed.



**Completely dry-strippable**

When redecorating, the wallpaper can be completely dry -stripped from the wall or ceiling.



**Phthalate-free**

Phthalate-free product tested and with label certification



**Manufactured according to RAL-GZ 479 (RAL quality specifications)**



**CE Marking**

2023 - DoP 24  
EN 15102  
2822

EN 13501-1: B-s1,d0

**Fire protection class**

### Standards

In collaboration with the RAL German Institute for Quality Assurance and Certification in St Augustine, the main authority in the field of quality assurance, strict quality specifications for wallpapers have been established, which go far beyond the legal requirements and which are constantly monitored as regards their compliance by an independent party.

In addition to RAL-GZ 479, the following current European standards apply to Thermo-Wall production:

- |                |  |
|----------------|--|
| ▪ DIN EN 233   | Specifications for finished wallpapers, wall vinyls and plastics wallcoverings   |
| • DIN EN 235   | Wall coverings — Vocabulary and symbols  |
| • DIN EN 12149 | Determination of migration of heavy metals and certain other elements, of vinyl chloride monomer and of formaldehyde release |
| • DIN EN 12956 | Determination of dimensions, straightness, spongeability and washability   |
| • EN 15102     | Decorative wallcoverings   |

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**NB**

The indications above are general recommendations only. As we cannot influence use and application, this information does not prevent our customers from testing the suitability of our products for the intended purpose and use themselves. Complaints cannot be considered if more than two or three strips have been hung. Complaints without proof (sample strips and insert) can also not be considered.

This edition of the data sheet ceases to be valid upon publication of a new edition as a result of technical improvements. Gummersbach, December 2022