

# Practical Information

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ORAFOL® Europe GmbH

## ORAFOL® Films for lamination of inner walls

### 1 Preliminary remarks

The following additional tips are given for application of ORAFOL® films which were designed for the lamination of inner walls.

If you want to use plotter films for inner walls, please also see our practical information for Plotter Materials.

If you want to use films which are printed by ink jet printing, please also see our practical information for Digital Printing Materials.

If films are used in screen printing, please see our practical information for Printing Materials.

ORAFOL® recommends to use only material with the same batch number for one graphic application. In this context ORAFOL® ensures that every film roll consists of material of the same batch number and consequently does not have any splice. When different batch numbers are used the technician should make tests to find out possible differences in using the films and in the quality of the graphic application.

### 2 Storage and processing conditions

ORACAL®, ORAMASK®, ORALITE® and ORATAPE® selfadhesive products are delivered in rolls which should at any times be stored either suspended or standing on the roll blocks provided in a cool, dry place protected from sunlight. Prior to processing, the self-adhesive films should be accommodated to the humidity and temperature prevailing in the processing area. Relative humidity between 40% and 50% and temperatures in the range of +18°C to +22 °C are considered ideal. Extreme variations of the above conditions could lead to expansion or shrinkage of the protective paper. The result is insufficient flatness of the self-adhesive material and dimensional changes in the cuts. Please observe the storage instructions provided in the technical data sheet accompanying each film.

### 3 Preparing the surface

The high-quality special adhesives used for ORACAL® self-adhesive materials create an excellent bond with just about any clean, smooth and weatherproof surface which is free of grease, wax and silicone.

A flawless adhesion will be realised when high-quality wall colour (at least dispersion colour acc. to DIN EN 13300 with a scrub resistance class 3) and the colour has completely dried. If necessary, unpainted wallpaper should be undercoated, regardless if they were produced on the basis of paper, glass fibres, plastics or other materials.

Not well suited are e.g.:

- roughly structured surface
- unpainted or not undercoated surfaces, resp. (concrete, cement wall, plaster)
- freshly painted surfaces (not dried)
- areas with dirt-repellent surface

- moist room walls (e.g. bathroom, garage) or even just damp walls
- dirty walls (e.g. nicotine, fat)
- hard-to-stick surfaces (e.g. old wall paper)

Give the colour or undercoating enough time to dry (Please consider producer information) and clean the surface right before lamination because dust and other suspended particles may quickly stick to the surface. The best cleaning results are achieved with a dry and a non-fuzzing microfibre cloth. Please watch out particularly for areas where angles and edges of the graphics will be.

### 4 Application

The film is applied in a dry state. For further tips please see the practical information stated above.

### 5 Removability

Environment and surface temperature must be at least + 20 °C before these films can be removed. Using a knife, first lift up cautiously one corner of the film. Then slowly draw the film from the surface at a 180° angle. Heating the film with a hot-air gun while pulling makes removal considerably easier. If the film being removed is very old, a small amount of residue from the adhesive may remain on the surface. It can be removed easily with varnish thinner.

This information is based on our knowledge and experience. We have not explained all considering aspects of application. Specialised or occupational knowledge and competence of a professional sign maker are presupposed. Due to the diversity of potential influencing factors during application and use, we recommend to make own tests of our products by customers who wish to use the films for special applications. No legally binding warranty of certain qualities can be derived from our information.

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