



3D labels - ROYALPLAST®

ROYALPLAST® is a versatile, intelligent finish featuring a transparent, lens-shaped, 'self-healing' protective layer made from a special polyurethane mix.

ROYALPLAST® is available in a variety of forms: with relief embossing, as lettering, for curved surfaces (Convex) or as a combination of materials with [Acrylic](#), [Aluminium plates 3D](#), [Metal plates](#) or [CHROMOTION®](#).

[Reference to the use of mercury-free polyurethane](#)

TECHNICAL DATA

Material	Polyurethane mix
Material thickness	Approx. min 0.8mm Approx. max 1,7 mm (depending on the label size)
Surface finishing	Material combination with Acrylic plates , Aluminium plates 3D , Metal plates , CHROMOTION®
Printmethod	Digital printing , Screen printing (Screen printing: Guide value for colour distance Delta E=2.5)
Fixation	Self-adhesive (Special adhesive for extreme requirements)



Resistance to

Diluted alkalis and acids, Alcohols, Chemical cleaning agents, UV radiation, Mechanical stress, Unleaded petrol, Diesel, Weathering

Product additional options

ROYALPLAST® Relief: Logos, lettering and symbols can be emphasised using relief embossing.

ROYALPLAST® Relief Plus: The combination of acrylic and ROYALPLAST® can be printed on various levels, permitting an especially effective depth effect for emblems.

ROYALPLAST® Konvex: A 3-dimensional, flexible advertising plate for areas curved on one side, such as pipes, handles and profiles. Perfect adhesion properties, no recoil effect after adhesion thanks to pre-curling.

ROYALPLAST® Schriftzüge: 3-dimensional, flexible lettering - pre-mounted on transfer film. Special self-adhesive systems even for areas which are difficult to stick to.

ROYALPLAST® Identification systems: With [coding and numbering](#), [RFID-/NFC-solutions](#)

ROYALPLAST® soldermask: [3D emblems and seal with partial finishing made of ROYALPLAST®](#)

PROCESSING AIDS

RATHGEBER supplies a number of tools for working with **ROYALPLAST®**, including

- Templates
- Positioning aids and markers
- Adhesive back paper is split for easier application
- Labelling/coding of products with your individual item numbers for unique identification and assignment
- etc.

We would be happy to work with you to create custom tools that are specially tailored to your needs, so you can save valuable time and money.



DOWNLOADS



[RATHGEBER brochure](#)

(PDF 6.79 MB)

Disclaimer of liability

All contents are carefully checked and constantly updated. However, there can be no guarantee for the completeness, correctness and ultimate timeliness of the data. RATHGEBER GmbH Co. KG is therefore not liable for damages occurring in conjunction with the dispatch of this product information.



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