



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 2mm (depending on the label size)	
Surface finishing	Material combination with Acrylic plates , Aluminium plates 3D , Metal plates , CHROMOTION®	
Printmethod	Digital printing	Screen printing

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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	<p>ROYALPLAST® Relief: Logos, lettering and symbols can be emphasised using relief embossing.</p> <p>ROYALPLAST® Relief Plus: The combination of acrylic and ROYALPLAST® can be printed on various levels, permitting an especially effective depth effect for emblems.</p> <p>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.</p> <p>ROYALPLAST® Schriftzüge: 3-dimensional, flexible lettering - pre-mounted on transfer film. Special self-adhesive systems even for areas which are difficult to stick to.</p> <p>Identification systems with coding and numbering, RFID-/NFC-solutions</p>

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



[Certificate DIN EN ISO 14001:2015](#)

(PDF 475.73
KB)



[Certificate DIN EN ISO 9001:2015](#)

(PDF 475.68
KB)



[Instructions for use RATHGEBER self-adhesive labels](#)

(PDF 815.91
KB)



[RATHGEBER brochure](#)

(PDF 6.79 MB)

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