



HANDRAIL PROFILES FOR INTERIOR DESIGN

DESIGN FREEDOM AND FUNCTION

UNLIMITED POLYMER SOLUTIONS

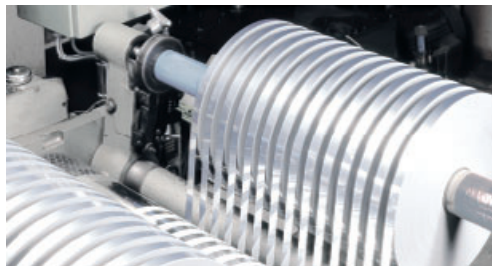
POWERFUL IN EVERY ASPECT.

As a premium brand for polymer-based solutions, REHAU is an international leader in the areas of Building Solutions, Automotive and Industry.

REHAU initially established itself successfully in Germany and the neighbouring Western European countries. This was followed by early expansion into all European countries, North and South America, Asia and Australia.

Today, REHAU is represented worldwide on all continents in more than 50 countries.

REHAU's capability is in its unparalleled breadth and quality.



INDUSTRY

- Hose and silicone technology
- Vehicle and aircraft industries
- Furniture and wood processing industries
- Domestic products industry



AUTOMOTIVE

- Exterior body parts
- Water management and air management systems
- Sealing



BUILDING SOLUTIONS

- Windows and curtain walling technology
- Building technology
- Civil Engineering & Infrastructure

HANDRAIL PROFILES

EVERYTHING IN HAND

REHAU handrail profiles offer you a sophisticated and diverse product range. The handrails are manufactured from high-quality plastic which meet the requirements for installation and use, due to the material quality and shape. This ensures a high level of safety when using the stairs.

REHAU Handrail Profiles - Uni

Uni-coloured profiles are available in matt and high-gloss finishes. The main sizes and colours are available in our standard range. If you cannot find what you are looking for here, you can select your ideal profile in the right colour from our diverse non-standard range. We will be glad to provide you with a sample of our standard colours.



REHAU Round Handrail

REHAU's new handrail will give your staircase a refined and exclusive feel. This ergonomic handrail comes in five attractive colours as standard, and will be the focus of your staircase. Special colours on request.

REHAU Metallic Handrail Profile

The REHAU metallic handrail profile opens new design possibilities. The metallic surface will give your banister a special character.

REHAU Structured Handrail Profiles

You can match your banister to the surrounding area using the REHAU structured handrail profiles. In particular, our standard range with wood effect profiles in light oak, rustic oak, light beech and cherry mahogany, allows you to create a harmonious interior design on the stairs, or even the whole staircase.

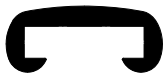



The surface gives the handrail an attractive, robust character and a long service life as the profile is:

- scratch and abrasion resistant
- stain-resistant
- easy to maintain
- colour fast
- ergonomic
- shock-resistant
- economical

In addition to this, with the wide range of colours available in our non-standard range, there are infinite creative possibilities. We will be glad to provide you with samples of our standard colours and we can also provide you with a book of foil samples showing our non-standard colours.

HANDRAIL PROFILES

STANDARD COLOURS*

Colours	30 x 8	40 x 8	50 x 8	40 x 8
Matt:	700010**	700060**	700220**	703970*
				
601 Black				
606 Grey				
RAL 8014 Brown				
RAL 5002 Ultramarine Blue				
RAL 5003 Sapphire Blue				
RAL 6019 Pastel Green				
713 Green				
308 Red				
RAL 3005 Claret				
805 Gold				
35002 Copper				
RAL 1012 Lemon Yellow				
RAL 9010 Pure White				
High gloss:	700011	700061	700221	
601 Black				
606 Grey				
308 Red				
805 Gold				
Structured:				
9910 Light Oak				
9638 Rustic Oak				
9632 Cherry Mahogany				
7427 Light Beech				
Metallic:				
37032 Metallic Blue				
RAL 9006 White Aluminium				
38240 Metallic Grey				

* 20 m roll

** 25 m roll

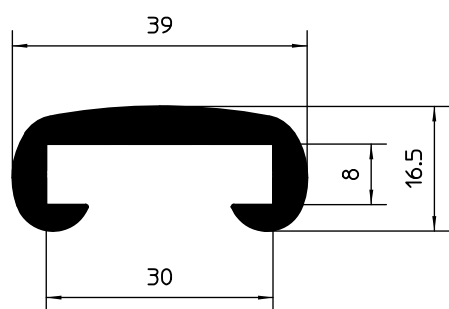
HANDRAIL PROFILES

NON-STANDARD COLOURS*

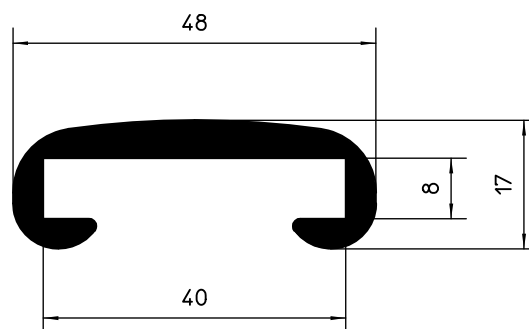
Colours	30 x 8	40 x 8	50 x 8	40 x 8
Metallic:				
37032 Metallic Blue	700010		700220	703970
RAL 9006 White Aluminium	x		x	
38240 Metallic Grey	x		x	x
Structured:				
9922 Grey		701570		
9631 Brown		701630		
9793 Dark Blue		701560		
9757 Blue		701600		
9773 Dark Green		701620		
9649 Green		701580		
9792 Dark Red		701550		
9754 Red		701530		
9758 Yellow		701610		
9734 Grained White		701590		
9911 White Structured II		701540		
Other colours:				
According to RAL colours	700010	700060	700220	703970
Minimum order quantity	670 m	780 m	470 m	200 m

HANDRAIL PROFILES

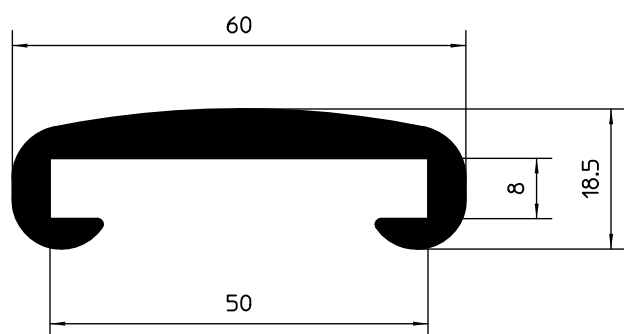
STANDARD SHAPES



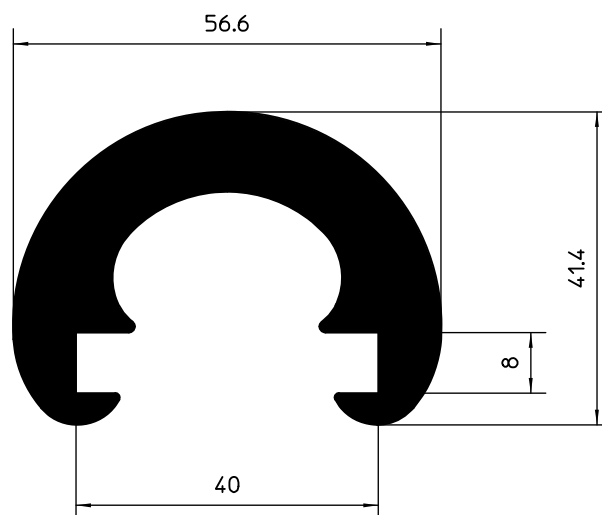
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Art. No.: 700060



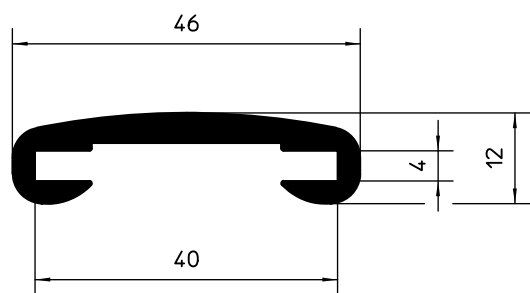
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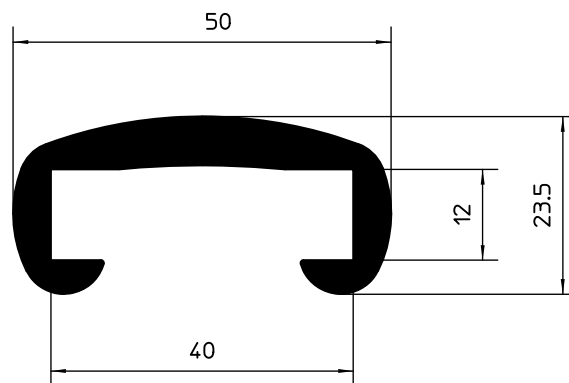
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HANDRAIL PROFILES

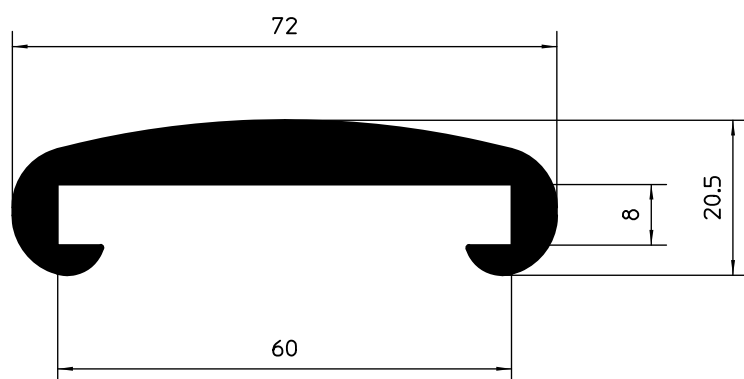
NON-STANDARD SHAPES



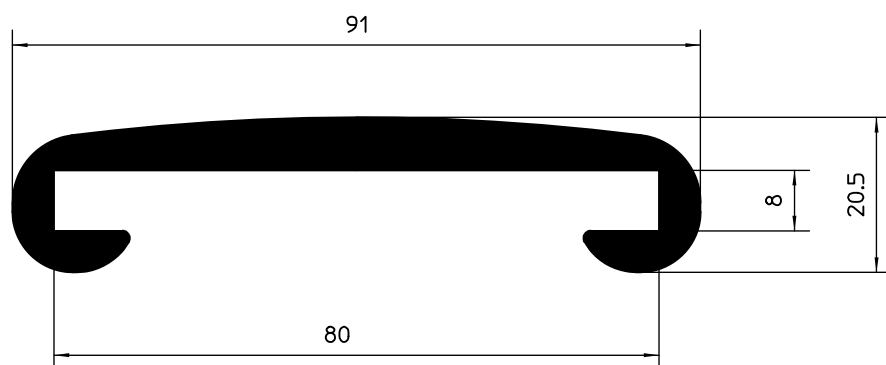
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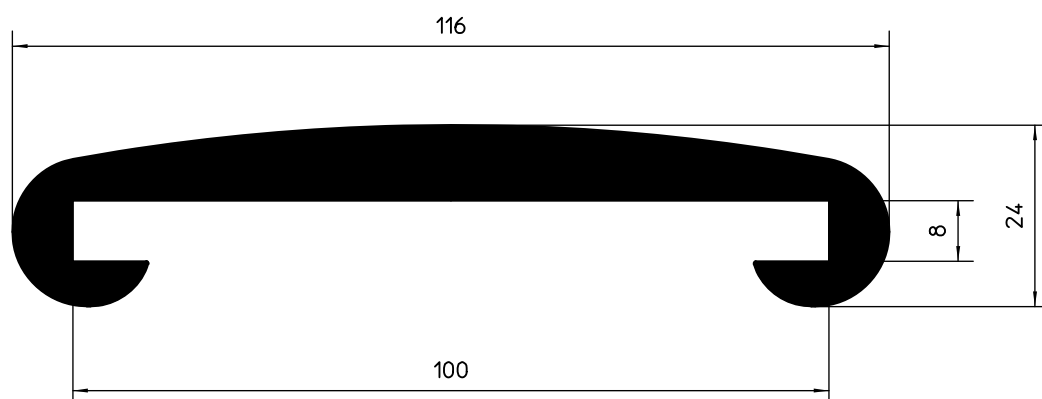
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Art. No.: 700250



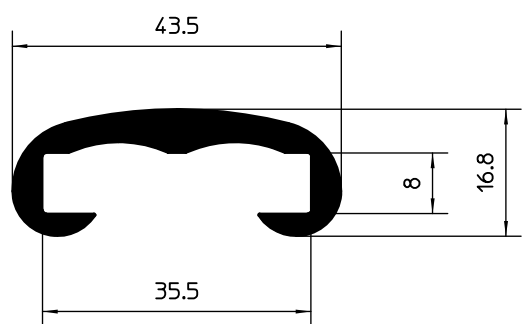
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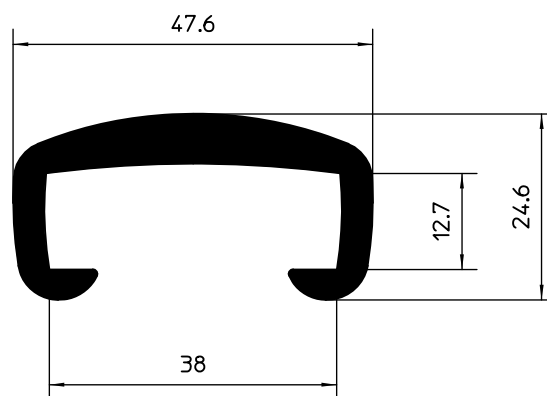
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HANDRAIL PROFILES

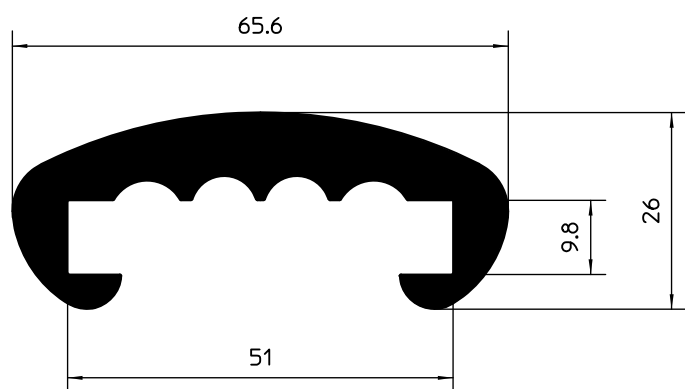
NON-STANDARD SHAPES



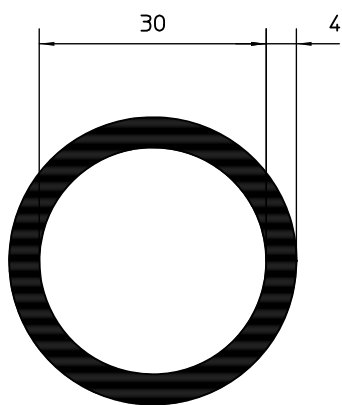
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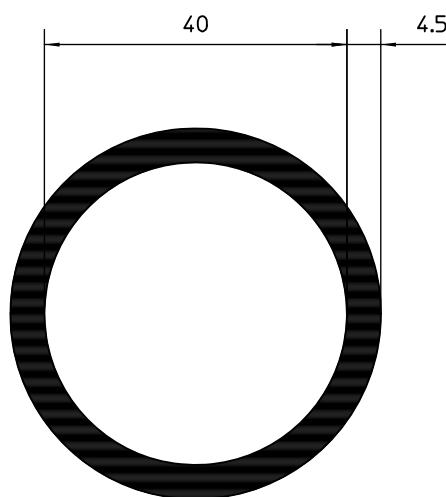
Art. No.: 700130



Art. No.: 700590



Art. No.: 079310



Art. No.: 078031

HANDRAIL PROFILES

NOTES ON FITTING

Material

REHAU handrail profiles are made from plasticised RAU-PVC. RAU-PVC is a thermoplast and therefore its properties are temperature dependent. This can be taken advantage of when fitting the handrails.

Fitting

Firstly, it is necessary to ensure that the steel rail is smooth, e.g. it has no unmachined welding points.

During fabrication the handrail profile has to be heated to 80 to 90 °C. The round handrails require a longer pre-heating time. As a result of this, the profile becomes soft and pliable. A conventional hot air appliance, which is also available from REHAU (Art. 233023), is used to heat the handrail. Experience has shown that these appliances offer high installation efficiency. If the surrounding air temperature is low, it is advisable to store the coils of handrail in a heated room before fabricating.

The handrail is applied starting from the top, down. The section of profile inside the appliance can be "pulled on" to the flat steel bar with ease, after a short heating period. The profile should not be stretched lengthways.

Curves can be covered without creasing if the profile is heated slightly more. The profile is stretched at the outer radius, and compressed at the inner radius. It is necessary to ensure that the lower retaining section on the steel bar is fully covered across its whole surface. Retaining sections (cut from the profile) can be welded onto the underside of the curves to ensure that the profile does not lift off. The inner radius of a curve should not be less than 1.5 times the profile width. The smallest recommended inner radius for the round handrails is 13cm. Although tighter bends may be possible in some cases, REHAU will not assume any guarantee in this respect.

Once the fitted handrail has cooled, the ends are cut neatly, leaving an extra 2 to 5cm (depending on the profile length) to compensate for possible profile shrinkage. It is advisable to wait a few days before finishing this work.

Uni-Coloured Profiles

The front end of **uni-coloured profiles** can be finished off with small pieces cut from the spare profile material. These can be welded or glued on and then cleaned.

A welding gun (e.g. Art. 233033) is used to weld on the small pieces and retaining sections.

For **metallic colours**, the welding point appears as a dark line. Alternatively, a moulding can be applied to the front ends. The strip of material enclosed in the packaging may be used to make matching end caps for the **round handrails**.

This strip is welded to the front end of the round handrail and is trimmed to shape, using a sharp knife, and cleaned.

The fitted handrail can be cleaned with a solvent-based cleaning agent and then polished. Methylene chloride or Tangit cleaner (Art. 180271 or from Henkel) is recommended for matt surfaces, and tetrahydrofuran for high-gloss surfaces. Treatment of the surface, especially on the reshaped areas, returns the surface finish almost to its original condition.

Wipe the handrail surface gently down its length, with a soft cloth soaked in cleaning agent.

Caution:

Do not use circular motions as this leads to smearing of the surface!

Structured Profiles

The ends of **structured handrails** can also be covered using small off-cuts or a moulding.

To clean the profile, which may have become dirty during fitting, use solvent-free, non-abrasive, household cleaners only. When fabricating several profile coils, please bear in mind before fitting that the pattern may differ from coil to coil - as with wood itself (core and sides).

The base profile is matched to the colour of the structural foil. Slight damage to the surface (e.g. resulting from transport of the furniture) is therefore invisible.

Assembly Steps



1. Application



3. Retaining sections



2. Weld on off-cuts



4. Finishing

HANDRAIL PROFILES

ACCESSORIES

Hot-Air Blower

Using the REHAU hot-air blower (Art. 233023) the handrail profiles can be pulled onto the banister quickly and neatly.

Technical data:

- 220 Volt alternating current
- Motor: 220 Watt, Radiator: 1450 Watt
- Weight: 4.2 kg with accessories
- Easy to operate
- Robust plastic housing



Plastic Welding Gun

Handrail profile butt and mitre joints can be welded on using the REHAU plastic welding gun (Art. 233033).

Technical data:

- 230 Volt
- 300 Watt
- Dimensions of the heating wedge 120 x 65mm



PVC Adhesive

REHAU PVC adhesive (Art. 251670), transparent, 200 ml tube.

Colour Pens

REHAU PVC adhesive (Art. 251670), transparent, 200 ml tube.

REHAU colour pens for repairing slight damage to the surface of the handrail:

- Art. 252224: REHAU colour pen, Brown
- Art. 252234: REHAU colour pen, Rustic Oak
- Art. 252244: REHAU colour pen, Mahogany
- Art. 258737: REHAU colour pen, Dark Green
- Art. 257667: REHAU colour pen, Light Oak

INTERIOR DESIGN

OTHER PRODUCT RANGES

Skirting Boards:

With REHAU skirting boards, a sophisticated and versatile product range awaits you: different materials and shapes as well as a wide spectrum of uni-colours and decorative print variants. The profiles can be adjusted for virtually every piece of furniture and floor type.

Product range overview:

- Foamed skirting board SL60
- Foamed skirting board SL80
- Foamed skirting board SL48
- Composite skirting board KSL60
- Carpet skirting board
- Accessories and tools

Tile Trims

REHAU tile trims provide a neat wall and floor joint.

Stair Nosing:

With the robust and abrasion-resistant stair nosing from REHAU you have more safety and protection when using the stairs.

Product range overview:

- Stair nosing to encase in concrete
- Stair nosing for gluing
- Non-standard profiles

Lighting Profiles and live rail systems

Energy supply and transport technology at REHAU: Manufacturing of products for industrial energy supply and rail mounted transport systems.

Advantages:

- individual designs
- individual lighting concepts

Our verbal and written advice relating to technical applications is based on experience and is to the best of our knowledge correct but is given without obligation.

The use of REHAU products in conditions that are beyond our control or for applications other than those specified releases us from any obligation in regard to claims made in respect of the products.

We recommend that the suitability of any REHAU product for the intended application should be checked. Utilization and processing of our products are beyond our control and are therefore exclusively your responsibility. In the event that a liability is nevertheless considered, any compensation will be limited to the value of the goods supplied by us and used by you.

Our warranty assumes consistent quality of our products in accordance with our specification and in accordance with our general conditions of sale.

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