



**Engineering progress  
Enhancing lives**

## **Design freedom and function.**

Handrail profiles for interior design.



# Everything in hand.

The REHAU handrail profiles offer you a sophisticated and diverse product range for interior design.



The handrails manufactured from high-quality polymer ideally meet the requirements for installation and use due to their material quality and shape. This ensures a high level of safety when using the stairs.



# Our portfolio at a glance.

## **Solid**

The solid-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 the ideal profile in your desired colour from our diverse non-standard range. We will be glad to provide you with samples of our standard colours.

## **Metallic**

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

## **Structural/wood finishes**

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.

In comparison to the solid-coloured profile, the surface gives the handrail an attractive, robust character and a long service life as the profile is:

- scratch- and abrasion-resistant
- stain-resistant
- low-maintenance
- lightfast
- ergonomic
- impact-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.

# Accessories

## Hot-air blower

Using the REHAU hot-air blower (mat. no. 12330231001) the handrail profiles can be fitted to the banister quickly and neatly.

### Technical data:

- 220 volts alternating current
- Motor: 220 watts, radiator: 1450 watts
- Weight: 4.2 kg with accessories
- Easy to use
- Robust plastic housing
- With air supply hose

Available upon request



## Plastic welding gun

Handrail profile butt and mitre joints can be welded using the REHAU plastic welding gun (mat. no. 12330331001).

### Technical data:

- 230 volts
- 300 watts
- Dimensions of the heating wedge 120 x 65 mm

Available upon request



# Standard colours



Colours	30 x 8	40 x 8	50 x 8
<b>Matt</b>			
601 Black	17000101017	17000601022	17002201015
606 Grey		17000601027	
74714 Brown		17000601037	
RAL 5002 Ultramarine blue		17000601005	
RAL 5003 Sapphire blue		17000601095	
713 Green		17000601030	
308 Red		17000601015	17002201013
RAL 3005 Wine red		17000601094	
805 Gold		17000601090	
35002 Copper		17000601092	
RAL 9010 Pure white		17000601006	
<b>High gloss</b>			
601 Black	17000111009	17000611054	17002211005
606 Grey		17000611008	17002211007
308 Red		17000611003	
805 Gold		17000611004	17002211008
<b>Structural/wood finish</b>			
9910 Light oak		17012401003	
9638 Dark oak		17012301006	
9632 Cherry mahogany		17012501002	
7427 Light beech		17016651001	
<b>Metallic</b>			
38359 Aluminium metallic		17000601076	

More colours, sizes and specifications are available upon request.

Dimensions 30 x 8 and 40 x 8 mm = 525 ml

Dimensions 50 x 8 mm = 425 ml

# Notes on fitting

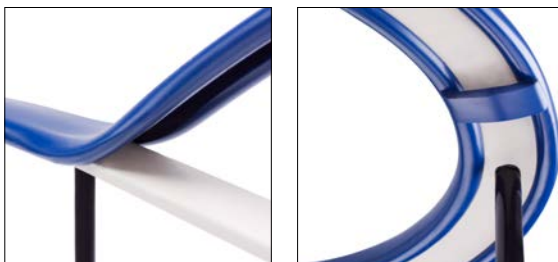
## Material

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.

## Installation

Firstly, it is necessary to ensure that the steel bar is smooth, e.g. it has no unmachined welding points. During installation, the handrail profile has to be heated to 70 to 90 °C. Thicker handrails require a longer preheating time. As a result of this, the profile becomes soft and pliable. A hot-air appliance, which is also available from REHAU (mat. 12330231001), 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 installation.

The handrail is applied starting from the top down. The section of profile inside the appliance can be fitted 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 is in contact with the steel bar across its entire surface. Retaining bars (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 minimum radius for round handrails is 13 cm.



REHAU provides no guarantee for radii smaller than this. Once the fitted handrail has cooled, the ends are cut neatly leaving an extra 2 to 5 cm (depending on the profile length) to compensate for possible profile shrinkage. It is advisable to wait a few days before finishing this work.

## Solid-coloured profiles

The front end of solid-coloured profiles can be finished off with off-cuts from the profile material. These can be welded or glued on and then neatly finished. A welding gun (e.g. mat. no. 12330331001) is used to weld on the off-cuts and retaining bars. For metallic colours the weld area appears as a dark line. 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 neatly finished. The fitted handrail can be cleaned with a solvent-based cleaning agent and then polished. Methylene chloride or Tangit cleaner (mat. no. 11802711001) 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. To do so, simply wipe the handrail surface gently down its length with a soft, lint-free cloth soaked in a solvent-based cleaning agent.



### Caution!

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

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Treatment of the surface, especially on the reshaped areas, returns the surface finish almost to its original condition.

## Structured profiles

The ends of structured handrails can also be covered using off-cuts. To clean the profile, which may have become dirty during fitting, use only solvent-free, non-abrasive household cleaners. When installing 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 not noticeable.

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