

**RAUSOLID sheets, worktops, washbasins and mouldings**

**RAUSOLID solid surface material is a through-coloured, acrylic mineral product which is water and stain-resistant and hygienic - being impenetrable to liquids, dirt, dust and bacteria - and easy to clean. Available in 24 designs, RAUSOLID is easily renewed if scratched or damaged.**

**Introduction** REHAU was founded over 50 years ago in Northern Bavaria and now operates in over 50 countries. It is one of the world's leaders in polymer technology and one of Europe's leading processors of polymers with over 14,000 employees and 129 sales offices globally. 41 factories worldwide produce more than 40,000 products for the industrial, construction and automotive sectors.

REHAU products have been specified all over the world for major airports, banks, stadiums and buildings of architectural excellence.

**Applications** Elements manufactured from **RAUSOLID** are used in interior decoration and furnishing in a variety of applications including shops, banks, restaurants, hotels, bars, beauty salons, healthcare facilities, laboratories, offices, education facilities, transport facilities and sports and fitness studios.

**RAUSOLID** sheets and worktops, along with a range of matching or contrasting accessories, can be used not just for kitchen and bathroom sectors but for other quality interior design, such as medical, shopfitting, transport and travel sectors.

**Authority** Quality assured to BS EN ISO 9001: 2000. REHAU is an associate member of the Furniture Industry Research Association (FIRA), an internationally recognised organisation that has driven the need for higher standards through testing, research and innovation for the furniture supply chain.

**DESCRIPTION**

**RAUSOLID** solid surface material is used in the manufacture of worksurfaces, AQUASINO sinks, AQUAFONTE washbasins, bathroom units and surfaces.

**Composition, manufacture** **RAUSOLID** is a homogeneous acrylic mineral sheet material that is non-porous. It comprises a natural mineral (ATH), acrylic resin and colouring pigment base.

In sheet form it is provided with a protective foil on the visible surface and sanded on the back.

The standard range comprises **RAUSOLID** sheets in widths and lengths to match the industry standard, along with a range of accessories to suit. More information is available upon request.

**Density** is 1770 kg/m<sup>3</sup>.  
**Appearance** **RAUSOLID** has a mottled, stonelike appearance.

**PERFORMANCE**

**Mechanics**

*Notched tensile impact resistance* (to ISO 179): 2.7 kJ/m<sup>2</sup>

*Tensile strength* (to ISO 527): 37.3 Mpa

*Modulus of elasticity* (to ISO 527): approx. 7900 Mpa

*Flexural strength* (to ISO 178): approx. 59 Mpa (N/mm<sup>2</sup>)

*Barcol hardness* (to EN 59): 60

*Ball indentation hardness* (to ISO 2039-1): 260 N/mm<sup>2</sup>

*Impact stress* (to EN 438-2): 77 N

*Abrasion* (to ISO 4586-2): 100mg/100 rev

**Fire** *Fire rating*, 3 mm sheet thickness (to ÖNORM B 3800-1): B 2, normal flammable

**Liquids** *Spot resistance* (to EN 438-2): passed standard, all changes were removable

*Behaviour to boiling water* (to EN 438-2): 0.5%; grade 3 to 4

**Chemical** **RAUSOLID** is resistant to common acids and chemicals.

**Biological** *Fungal resistance* (to EN ISO 846): passed

*Food safety* (to EN V 1186): passed

*Bacterial resistance* (to EN ISO 846): passed

**Heat** *Heat distortion temperature* (to ISO 75-1): 92°C

*Hot cigarette ash* (to EN 438-2): Grade 3

**Light** **RAUSOLID** does not fade or discolour.

*Lightfastness* (to ISO 4892): 4 to 5

**Compatibility** **RAUSOLID** is compatible with common building materials.

**Durability** As the surface can be polished back to new and repaired then its lifetime is endless.

**SITWORK**

**Cutting and drilling** **RAUSOLID** can be cut, shaped and drilled using normal tungsten carbide tipped power tools.

**MAINTENANCE**

**Repair** Scratches can be sanded away and polished. For minor repairs **RAUSOLID** two-part liquid acrylic is available in the standard range which dries to a solid and can

then be polished. Major repairs can be fixed with a replacement piece of the **RAUSOLID** sheet in the same design and the matching two-part liquid acrylic glue.

**Cleaning** Surfaces may be cleaned using a sponge with normal washing-up liquids and water.

**ECONOMICS**

**Guarantees** Ten year manufacturer's guarantees are available.

**SUPPLY**

The product is supplied by REHAU UK and its authorised fabricator partners.

**SERVICES**

Services to specifiers comprise REHAU ACADEMY fabrication and installation training courses, CPD courses and worktop samples. PDF brochures are available via the website.

**REFERENCES**

Further information on the following products is available in this edition of the RIBA Product Selector: PVC-U window, door and curtain walling systems in Section (31.4). Further information on REHAU's ranges of PVC-U windows is available in Section (31.4) of Keyfile Libraries. Information on REHAU's underfloor cooling and data cable management is available from the company.



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