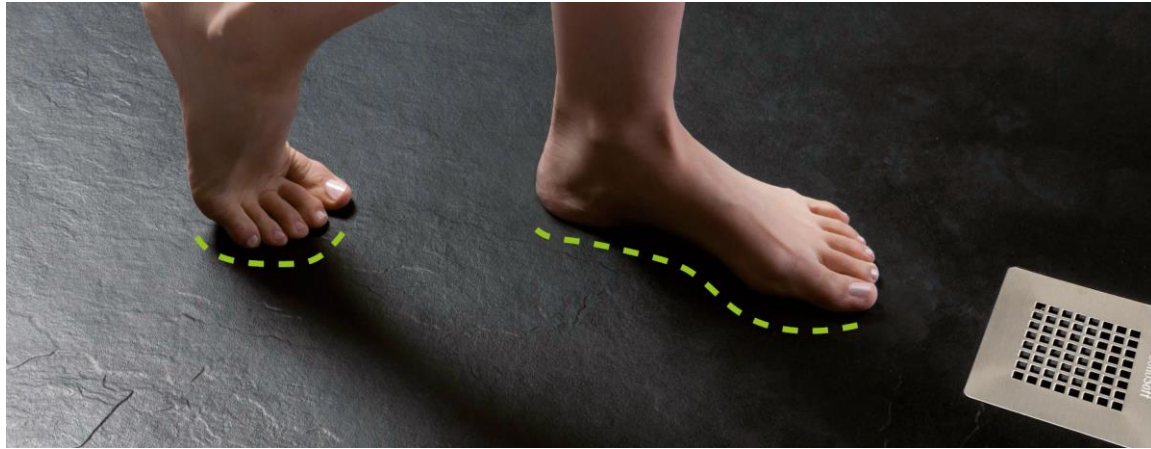


PRODUCT DATA SHEET



SolidSoft is based on a highly versatile material, featuring low-density polyurethane which, thanks to a high-pressure process, is endowed with a “skin” that responds exceptionally well to water. Its manufacture process is covered by a European Patent (EP 2 952 128 B1).

SolidSoft is a ready-to-install shower tray of 30 mm thickness molded to include a sloped floor falling into a unique drain hole.

Since the shower tray is provided with elasticity, it comprises a galvanized iron reinforcement plate partially embedded on the flat base surface aligned in correspondence with the drainage channel of the top surface, which gives consistency to this section when having to thread on the underside the drain system.

SolidSoft shower trays are ultra-light (8 kg/sqm) and available in a wide range of sizes and colours, all of them with a slate finish effect. SolidSoft shower trays can be tailored to non-standard sizes and shapes.

Quality characteristics/Technical information

DIN51097: 1992 Testing of floor coverings – Determination of the anti-slip properties

UNE 41901: 2017 EX Determination of unpolished and polished slip/skid resistance value

The purpose of the test is to determine the value of slip resistance of the product when it is subjected to the conditions of tests specified in DIN51097: 1992. Performance **Class B** (ramp and barefoot operator) and **UNE 41901: 2017 EX** ‘Determination of unpolished and polished slip/skid resistance value’ (pendulum). Performance: **Class-2**.

ISO 22196:2011 Measurement of antibacterial activity on plastics and other non-porous surfaces

The closed molecular structure of SolidSoft prevents the generation and proliferation of germs and makes it very long-lasting. It has passed satisfactorily the tests required by the ISO 22196:2011.

UNE ISO 4586-2 P.32 Light resistance

This test method measures the ability of a product to retain its colour when exposed to a commercial xenon gas arc discharge light source having a frequency range approximating sunlight through window glass. SolidSoft shower trays are long-lasting, highly resistant to UV radiation, certified as **excellent (number 5)**.

EN 15186:2012 Method B Determination of scratch resistance

The determination of surface hardness of the product by the action of engraving generated by a tool equipped with a diamond tip of known geometry (defined by UNE EN 15186:2012) on which it is a known load.

The scratch resistance is the minimum load applied to the diamond tip that produces a change in the surface producing first visible scratches that may only be a change in the gloss. SolidSoft shower trays scratch resistance tests results (hardness in Newton N) are class 4 (4N) for black colour and class 5 (8N) for white colour. That class corresponds to a medium-high scratch resistance level, similar to porcelain and gelcoat.

UNE EN ISO 4586-2 Part 11 Determination of abrasion resistance

This test method measures the resistance to surface wear. A Taber rotary platform abrasion tester was used to perform accelerated wear on the surface of the shower tray.

Initial wear point IP (revolutions) for SolidSoft shower tray in black colour is 250 and 225 for white colour. Wear resistance $[IP+FP]/2$ (revolutions) is respectively 450 and 350. Initial wear point (IP) is that were first shown clearly wear and final wear point (FP) is when it is exposed the 95% of the surface subjected to abrasion.

Swiss Standard SIA 181:2006 Sound insulation in building construction

The total value $L_{H, tot}$ [dB(A)] is a measure of quality for the obstruction of structure-borne noise (acoustic decoupling from the rest of the building). SolidSoft is a noise absorbing shower tray that accomplishes Swiss norm SIA 181:2006; $L_{H, tot}$ dB(A) obtained below minimal requirements 38 dB & equal to increased requirements 35 dB according Swiss standard.

Exposure to chemical substances

SolidSoft has surpassed the cleanability and durability tests established by the CE marking regulations. SolidSoft has been tested for resistance to exposure to chemical substances likely to be found in the bathroom. The chemical cleaners tested on Solidsoft and final assessments are shown in the next table:

Chemical cleaners *	Time exposure and assessment *			
	SolidSoft black tray		SolidSoft white tray	
	> 2h	24h	> 2h	24h
Chlorine bleach	No visible changes	Minor changes in gloss level and/or color, only visible from certain angles & moderate changes for acidic cleaning chemicals (e.g. Hydrochl. Acid) & acetone	Slight change in color for chlorinebased bleach (e.g. Cillit Bang Black) or acidic cleaning chemicals (e.g. Hydrochl. Acid)	
Hydrochloric Acid				
Cillit Bang Black Mould remover				
Viakal Anti-Limescale				
Acetone				
Deterdek Fila (Acid-reaction cleaner)	No visible changes	No visible changes	No visible changes	No visible changes
Hydrogen peroxide (3%)				
Ammonia				
Ethyl alcohol				
Mr. Clean Bathroom				
RH 7 anti-grease				
Vinegar				
Liquid detergent Luzil				
Floor cleaner (Ind. Catalá)				
Pronto Soapy				

* A few drops of chemical cleaner are deposited on the shower receptor sample and it is covered with a watch-glass during the exposure time.

Care instructions

Clean light dirt with mild cleaning products for bathroom and kitchen spray degreasers. Occasionally use a fine bristle brush to remove any stubborn stains. Do not allow cleaners to soak on the Solidsoft surface. Clean, rinse and wipe immediately afterwards.

Never use a product such as chemical dyes, silver shampoo, strong pigmentation bathroom cleaners, solvents, strong alkaline, acids or oxidants (chlorine-based bleach ex. Cillit Bang black) on the shower tray. In case of contact rinse with soap and water immediately afterwards.

Green/Sustainability

SolidSoft is 100% recyclable. Unlike other shower trays SolidSoft has the potential to be recycled at the end of its useful life. Current technologies to recycle polyurethane (automotive industry recycling circuit) are chemical, mechanical and energy recovery.