

# THERE IS EVERYTHING TO BE SAID FOR KALDEWEI STEEL ENAMEL 3.5 MM

## 17 GOOD REASONS FOR YOUR KALDEWEI BATHTUB OR SHOWER TRAY

### THE MATERIAL PROPERTIES

- Material** – Kaldewei manufactures its own enamel. This is the only way to guarantee optimum adaptation to the demands placed on bathtubs and shower trays
- scratch and abrasion resistant** – Kaldewei bathtubs and shower trays cannot be scratched by the substances usually found in the bathroom  
– if metal scratches on enamel, it is the metal which rubs off; the enamel is not affected
- water & material temperature** – steel is an excellent heat conductor and quickly assumes the temperature of its surroundings or of the water  
– the heat absorbed by the steel flows back into the water when the water cools down  
– Consumer tests have shown that even the sloping back rest above the surface of the water heats up  
– the cooling behaviour of the water is the same for steel, cast and acrylic bathtubs since the heat of the water escapes almost exclusively from the surface of the water
- easy to care for, hygienic** – with Kaldewei steel enamel 3.5 mm with easy-clean finish, the water simply runs off the smooth, glass hard surface taking practically all the particles of dirt and limescale with it
- hard and impact resistant** – the material strength of 3.5 mm steel enamel guarantees an unsurpassed stability  
– Kaldewei steel enamel 3.5 mm is considerably harder than acrylic (see Mohs' scale)

Hardness	1	2	3	4	5	6	7	8	9	10
Material	Talc, candles	Plaster walls, figures	Plastic, paint	Marble	Iron	Steel	Enamel, porcelain, glass	Topaz	Sapphire	Diamond
Wear resistance	1 + 2 very low		3 low	4 sufficient	5 + 6 good		7 very good	8-10 exceptionally good		

– Kaldewei steel enamel 3.5 mm easily resists the “pistol test“ (according to DIN ISO 4532)

- glass-like** – Kaldewei steel enamel 3.5 mm possesses the same properties as real glass shower screens, tiles and ceramic, so that all the materials in the bathroom have a uniform appearance
- colorfast, lightfast** – enamel is extremely resistant to ageing: the shrine of the “Three Kings“ in Cologne cathedral (from the lightfast year 600), which is adorned with decorative, enamel provides impressive proof of this  
– the color effect (shine and structure) and color metamerism (change in color as a result of different actions of light) of Kaldewei steel enamel 3.5 mm matches that of ceramic glazes  
– Kaldewei steel enamel 3.5 mm is lightfast and resistant to UV light and not bleached out by it
- acid and chemical resistant** – Kaldewei steel enamel 3.5 mm is acid resistant according to DIN ISO 2722, class AA (highest classification)  
– Kaldewei steel enamel 3.5 mm is resistant to all cosmetic and medicinal bathing preparations and perfumes which can be tolerated by the human skin (e. g. hair dyes)
- heat resistant** – burning and smouldering objects leave no burn marks or traces of smoke (e. g. cigarettes or candles) on Kaldewei steel enamel 3.5 mm
- static charge** – bathtubs and shower trays in Kaldewei steel enamel 3.5 mm do not charge up with static electricity  
– bathtubs and shower trays in Kaldewei steel enamel 3.5 mm do not attract dust when cleaned dry
- chemically bonded** – steel and enamel form a molecular bond and cannot be mechanically separated

## FROM INSTALLATION TO DISPOSAL

- material**
- Kaldewei bathtubs and shower trays rarely expand when subjected to temperature fluctuations, hence expansion causes no cracks in the joints or structural damage due to moisture
- exchange, repair**
- silicone sealer bonds to Kaldewei steel enamel 3.5 mm without pre-treatment
  - damage to the surface of the enamel can be repaired with special repair kits from the Kaldewei accessory programme
  - if the bathtub or shower tray was installed professionally, replacement is inexpensive

## GUARANTEE, DURABILITY AND SAFETY

- guarantee**
- 30-year guarantee in accordance with the guarantee pass on all bathtubs and shower trays made of Kaldewei steel enamel 3.5 mm
- lasting value**
- if cared for correctly (wipe dry to prevent lime scale deposits), a bathtub or shower tray in Kaldewei steel enamel 3.5 mm looks almost as it did on the first day, even decades later
  - it has a life time of at least 30 years (see guarantee)

## DIVERSITY IN DESIGN AND ACCESSORIES

- anti-slip**
- Kaldewei bathtubs and shower trays are equipped with full anti-slip.
- design diversity**
- Kaldewei offers over 130 different models of bathtub and shower trays in a wide range of colors and versions
  - Kaldewei provides special solutions for small bathrooms, barrier-free building, bathrooms for medical treatments, hotel bathrooms, bathrooms in fitness centres and saunas, among others

## KALDEWEI. PIONEER IN SUSTAINABLE CONSTRUCTION.

Sustainable construction is the concept of the future. One of the basic requirements for its realization is the use of construction products certified for sustainability in accordance with the ISO 14025 environmental declaration issued by IBU. The certification procedure assesses the use of resources, the energy requirements and the emissions produced over the entire manufacturing and recycling process. Product properties and overall performance are also subject to tough evaluation criteria. In comparison with acrylic baths and shower trays, Kaldewei steel enamel 3.5 mm can demonstrate an exemplary environmental scorecard.



Kaldewei is the first German bathroom fixtures company to be awarded the IBU certificate – a welcome confirmation after decades of practicing an uncompromising brand and materials philosophy.

More information on [www.kaldewei.com](http://www.kaldewei.com)

