

## 18 GOOD REASONS TO CHOOSE KALDEWEI STEEL ENAMEL.

### 1. PROPRIETARY ENAMEL PRODUCTION.

In order to guarantee the consistent high quality of our steel enamel baths, shower trays and whirl baths, Kaldewei is the only manufacturer to make its enamel according to its own formula.

### 2. STABILITY THROUGH 3.5 MM STEEL ENAMEL.

The especially thick 3.5 mm steel enamel gives Kaldewei products unsurpassed stability and security, so that even playing and splashing children can bathe without a care.

### 3. SCRATCH AND ABRASION RESISTANT.

Kaldewei baths, shower trays and whirl baths cannot be scratched by objects usually found in the bathroom, such as nail scissors, nail files or similar. Because if metal comes into contact with enamel, it is the metal that rubs off while the enamel remains unchanged.

### 4. HARD AND IMPACT RESISTANT.

Extensive tests have shown that the thickness of the enamel layers and their composition guarantee high impact resistance. In everyday use, this means that there is no need to worry if something falls into the bath.

### 5. CONSTANT WATER TEMPERATURE.

Steel is an excellent heat conductor and quickly assumes the temperature of the water. The heat absorbed by the steel flows back into the water when the water cools down. The temperature of the water in the bath thus remains relatively constant for a long time.

### 6. HYGIENIC AND EASY-CARE.

On Kaldewei steel enamel with easy-clean finish, the water simply runs off the smooth, glass-hard surface, taking practically all particles of dirt and limescale with it.

### 7. NON-SLIP.

Kaldewei bath and shower trays can be equipped with anti-slip enamelling.

### 8. GLASS-LIKE.

Kaldewei steel enamel possesses the same properties as real glass shower screens, tiles and ceramic, so that all the materials in the bathroom have a uniform appearance – giving a holistic feeling.

### 9. QUIET.

Thanks to a material thickness of 3.5 mm, water runs into the bath quietly and the sound of all movement is muffled much better than in thin metal baths.

### 10. COLOURFAST AND LIGHTFAST.

Enamel is lightfast and resistant to UV light and thus extremely resistant to ageing: the colour effect (shine and structure) and colour metamerism (change in colour as a result of different actions of light) of enamel are exactly the same as those of ceramic glazes.

### 11. ACID AND CHEMICAL RESISTANT.

Kaldewei steel enamel is acid resistant and resistant to all cosmetic and medicinal bathing preparations and perfumes. These substances thus cause no material changes or stains on the surface.

### 12. HEAT RESISTANT.

Burning or smouldering objects (e.g. cigarettes or candles) leave no burn marks or traces of smoke on Kaldewei steel enamel.

### 13. NO STATIC CHARGE.

Since baths and shower trays made of Kaldewei steel enamel do not charge up with static electricity, they do not attract dust. This means that they always shine and are quick to clean.

### 14. MINIMAL MATERIAL EXPANSION.

Kaldewei baths, shower trays and whirl baths expand hardly at all when subjected to temperature fluctuations. Hence, expansion causes no cracks in the joints or structural damage due to moisture.

### 15. EASY TO SEAL.

Tile layers will have no problem sealing baths made of steel enamel as compared to acrylic baths. Permanent elastic joint sealer bonds to Kaldewei steel enamel without pre-treatment.

### 16. EXCHANGE AND REPAIR.

Damage to the surface of the enamel can be repaired with special repair kits from the Kaldewei accessory programme. If the bath or shower tray was installed professionally, replacement is inexpensive.

### 17. GUARANTEE.

30-year guarantee in accordance with a guarantee pass on all baths and shower trays made of Kaldewei steel enamel.

### 18. LASTING VALUE AND LONG LIFE.

If cared for correctly, a bath, shower tray or whirl bath made of Kaldewei steel enamel looks almost as it did on the first day, even decades later.

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## KALDEWEI STEEL ENAMEL 3.5 MM.

A superlative material.



Made in Germany

## KALDEWEI STEEL ENAMEL IS ONE-OF-A-KIND IN THE WORLD.

Kaldewei is the only manufacturer to develop and produce its own special enamel. The enamel layer is fired for permanence at a temperature of over 800° C in the world's largest U-type enamelling furnaces. Decades of experience and constant monitoring of the production process ensure an especially high-quality, long-lasting product made of 3.5 mm Kaldewei steel enamel. Very few suppliers are able to deliver steel with the special enamelling and deep-draw capabilities and 3.5 mm thickness required for the high-quality baths, shower trays and whirl baths made by Kaldewei. Our insistence on this grade of steel ensures the stability, solidity and long life of our products. Kaldewei is the only manufacturer to offer 3.5 mm steel across its entire product range.

## A MATERIAL WITH IDEAL PROPERTIES FOR THE WORLD OF BATHING.

Almost everything in the bathroom is made of natural materials. Tiles, ceramic and real glass shower screens together with Kaldewei steel enamel all have a uniform sheen that conveys a harmonious feeling. What's more, Kaldewei steel enamel possesses ideal material properties for use in the bathroom. It is not only clean and hygienic, but also resistant to acid, scratches, impact and abrasion.

Other advantages become evident upon installation. Thanks to the high stability of Kaldewei steel enamel, no extra installation measures are necessary, such as support borders or stabilising elements. Enamel and silicone harmonise well in their composition, meaning that tilers encounter no difficulties sealing baths made of 3.5 mm steel enamel – quite unlike the situation with acrylic baths.

## EXPERIENCE MAKES FOR SUCCESS.

Kaldewei steel enamel, a material combination with an overall thickness of 3.5 mm, is the core competence of the Kaldewei brand. Kaldewei has been gathering experience working with this special material ever since 1918 and has been able in the course of the decades to continually refine its own enamel and the smelting process that transforms it into high-grade Kaldewei steel enamel.

## WHAT MAKES ENAMEL SUCH A HIGH-QUALITY NATURAL MATERIAL.

- Enamelling as a technique for refining metal goes back almost 4,000 years and has often been used to make art objects and jewellery.
- Enamel is produced exclusively from natural raw materials.
- Enamel can be made in almost any colour.
- Coloured enamel does not fade.





## **KALDEWEI STEEL ENAMEL IS HARD AND IMPACT, SCRATCH AND ABRASION RESISTANT.**

3.5 mm steel enamel not only offers unsurpassed stability, it is also significantly harder than the acrylic commonly used for bathroom fixtures. Only precious stones boast a harder surface than baths and shower trays made of Kaldewei steel enamel. The thickness of the enamel layers and their composition ensure a high degree of impact resistance, passing all of the common usage tests with flying colours, including the “pistol test” in accordance with the DIN ISO 4532 norm. In everyday use, impact resistance means that Kaldewei steel enamel cannot be damaged by objects usually found in the bathroom that might accidentally fall into the bath, shower tray or whirl bath. Any slight damage that nonetheless might occur can be repaired professionally.

What’s more, Kaldewei steel enamel cannot be scratched by objects usually found in the bathroom, such as nail files or scissors. If metal scratches against enamel, it is the metal that rubs off while the enamel remains unchanged thanks to its hardness. If, on the other hand, metal scratches against acrylic, it leaves scratch marks on the acrylic surface. Dirt and bacteria can settle in these scratches, rapidly giving the acrylic surface an unsightly appearance.

## **MORE SAFETY IN THE BATHROOM WITH ANTI-SLIP.**

To make bathing and showering as safe as possible, the bath or shower tray can be equipped with anti-slip enamelling. Kaldewei’s anti-slip enamelling is made of a mixture of quartz and sand and burned permanently onto the surface of the Kaldewei steel enamel. Its textured surface provides extra traction when bathing or showering. Totally hygienic, the anti-slip coating holds up to years of wear. As an alternative, full anti-slip enamelling over a larger surface area is also available for almost all baths and shower trays. Kaldewei steel enamel prevents slips much more effectively than any conventional acrylic bath.



## **THE EASY-CLEAN FINISH FOR HYGIENE AND EASE OF CARE. PLUS RESISTANCE AGAINST JUST ABOUT ANYTHING.**

If you enjoy bathing, you will appreciate a bath that always looks like new, with very little effort. On Kaldewei baths with easy-clean finish, water simply runs off the smooth, glass-hard surface, taking practically all the particles of dirt and limescale with it. Even dried-on lime deposits can be quickly whisked away.

And since all you need is a soft, damp cloth instead of aggressive cleaners, the easy-clean finish is good for the environment as well. Only Kaldewei baths and shower trays are available with this finish permanently burnt onto the surface, something that doesn’t even exist for acrylic baths. That’s why Kaldewei baths with easy-clean finish are much easier to care for than acrylic baths.

Kaldewei steel enamel 3.5 mm is also heat-resistant, so that burning cigarettes or candles leave no burn marks behind. And Kaldewei steel enamel 3.5 mm can handle anything tolerated by human skin: cosmetic and medicinal bathing preparations, perfumes and nail polish, for example. Even relatively aggressive substances such as hair dyes cannot alter the surface of Kaldewei steel enamel (acid resistance in accordance with DIN ISO 2722/highest classification).

## **OPTIMAL HYGIENE. CERTIFIED BY TÜV.**

In a study conducted by TÜV Produkt und Umwelt GmbH comparing super-flat shower trays of Kaldewei steel enamel with tiled shower trays, the Kaldewei surface was certified to possess outstanding hygiene properties. 45% less microbes were found on the surface of the Kaldewei shower trays. TÜV found hygienic deficiencies particularly in the joints between the tiles in the conventional shower floors.



## **LASTING VALUE: KALDEWEI GIVES A 30-YEAR GUARANTEE ON ITS PRODUCTS.**

Kaldewei has always vouched for the lasting value and long life of its products. We at Kaldewei are so convinced of the high quality of our products, we give our customers a 30-year guarantee on all baths and shower trays made of Kaldewei steel enamel.

## **ENJOY IN PEACE: THANKS TO 3.5 MM MATERIAL THICKNESS.**

If you want to enjoy bathing in peace and quiet, the best place to do it is in a Kaldewei bath made of 3.5 mm steel enamel. Thanks to a material thickness of 3.5 mm, water runs into the bath quietly and the sound of all movement is muffled much better than in thin metal baths. The especially thick 3.5 mm steel enamel also gives the bath extra stability, so that even children can play and splash around securely.

## **FROM AVANTGARDE TO ADVANTAGE. VERSATILE DESIGNS, SHAPES AND SIZES FROM KALDEWEI.**

Because every bathroom is unique, Kaldewei offers more than 250 different baths, whirl baths and shower trays to choose from, in a wide variety of shapes, colours and sizes – conceived by internationally renowned design studios and boasting an unmatched number of design awards. To help customers find just the right bath to fit their style amongst the many designs and models, they can narrow down their search by selecting from three Kaldewei bath worlds: Avantgarde, Ambiente and Advantage.



**AVANTGARDE**



**AMBIENTE**



**ADVANTAGE**