

**ORIGINAL**  
**CRAMER**®

# Repair-Kit

## Kit di Riparazione

**Enamel | Acrylic | Ceramic**  
**Smalto | Acrilico | Ceramica**

**For the repair of minor damage and chips in  
kitchen and bathroom**

Per la riparazione di danni da urto e scheggiature  
in cucina e bagno

This instruction is based on practical experience as well as our current state of research and development. Our recommendation is intended to support our customers and does not release the buyer from testing the product of its suitability for the intended purpose.

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## Please read all instructions and precautions carefully before you start!

### Please pay attention to the following information:

**Suitability:** For the repair of impact damage and chips on bathtubs, washbasins and kitchen sinks of ceramic (porcelain), enamel and acrylic. Do not use this Kit for movement or hairline cracks. The substrate must be sound; no adhesion on easy-to-clean coatings. The repaired area is heat resistant up to 60 °C.

**Colour:** Unfortunately, there is no standard for sanitary colours as e.g. RAL or Pantone colours. On the basis of the original colours as used by the manufacturers we try to find the best match with our colours. Since there is no standardised colour scheme, slight variations of colour may be possible, but they are not likely to significantly affect the visual result of the repair. Please also note the colour indications on our homepage as well as in our instruction video (QR-code on packaging).

**Durability:** This repair solution is characterised by long durability, if the hints and instructions are observed. Areas of very heavy usage may need a new coat of paint if signs of wear and tear reappear.

**Caution:** To avoid any risk of accident, spraying larger areas of the bathtub is not permissible as it can cause slippery surfaces.

**Care instructions:** Only use mild bath cleaners (Cramer liquid cleaners) or soap on the repaired area. Do not use concentrated or abrasive cleaning agents, nor alcoholic polishes, disinfectants or organic solvents.

**Cookers and kitchen equipment:** The Cramer Repair-Kit can also be used for repairing enamelled cookers. The repaired area is heat resistant up to 60 °C. Unfortunately, areas exposed to higher temperatures cannot be repaired. The repaired area is not food safe – never use the Repair-Kit for pots and cooking utensils.

**Our warranty:** This Kit is used exclusively for the repair of sanitary surfaces. Its suitability for the intended purpose was – apart from the listed limitations – tested and independently audited. We subject our products to strict quality control processes. Should our product nevertheless be faulty, our liability is limited solely to the Repair-Kit itself, as the intended use is on damaged installation and furnishings, which have little or no value in a damaged state.

## APPLICATION INSTRUCTIONS:

**Please follow the instructions below to ensure a perfect repair:**

**This Kit contains:** Filler 30 g; hardener 8 g, repair spray 50 ml; spatula and sandpaper 60 x 140 mm (sufficient for five average-sized repairs).

**Additional items needed:** Wire brush to remove rust or loose parts, greaseless acetone/thinner for pre-cleaning, dust cloth, paper and adhesive tape, protective gloves and goggles, laquer/car polish (if needed).

**Workability:** Use only in well ventilated rooms. Minimum application temperature: Filler 15 °C, spray min. 20 °C. In unheated worksites, filler and spray may be warmed up (e.g. in the pocket).

**Preparatory work:** The prerequisite for a good result is a clean working environment. Remove rugs, towels, shower curtains etc. from your work area. Mask an area of 20 cm around the damaged area with paper and adhesive tape.

**Surface preparation:** Please wear regular household gloves and safety goggles for the following steps:



Make sure, that the damaged area is clean, dry and free from grease. Remove rust and loose parts. Do not sand the surface at this point. Then clean the damaged area with grease-free acetone or thinner.

**Filling:** Please wear regular household gloves and safety goggles for the following steps:

Take only the required amount of filler and mix it well with a little hardener. Mixing ratio 30 parts filler: 1 part hardener. After adding the hardener working time is approx. 4 minutes.

Hint: The mixing ratio approximately equals the size of walnut to pea.

To remove enclosed air bubbles spread the mixture thinly on a paper and then lift the bubble free mixture with the spatula.



Neatly apply the mixture on the damaged area, smooth it and allow to dry. When working on ceramic / porcelain you can use mixed filler to re-gluе the broken pieces. Drying time (temperature dependent):

At 21 °C for approx. 3 hours, heat-accelerated (IR/ warm air, max. 60 °C) < 15 minutes.



Use the 220 brown sandpaper on ceramic and enamel to sand the repaired area until the surface is smooth and there are no more projections or holes. On acrylic surfaces use the enclosed 800 dark grey wet-sandpaper moistened with water. Then remove the grinding dust and thoroughly clean the area.

**Spraying:** Please wear household gloves for the following steps:



Before use, shake the spray can well for 3 minutes, spray sample area. Apply the spray thinly from a distance of 15-20 cm (working temperature min. 20 °C). A mask of paper or cardboard (hole size corresponding to the size of the damaged area) enables an uniform application. Hold the mask approx. 1-2 cm above the damaged area and start spraying onto the mask before directing the spray with light movements over the cut-out area. Wait one minute and repeat this process until the damaged area has been completely covered. The colour tone still changes during the drying process until the colour is dust-dry.



**Drying:** Dust-dry after approx. 20 minutes, touch-proof after 2 hours and fully usable after 4 days. The repaired area may be polished after 4 days with commercial paint polish (wax polish), if necessary.

Reworking: For optimal drying please avoid the contact with water of the repaired surface. Close all containers tightly after use and keep the Kit in a safe place, out of the reach of children.

Storage: Storage temperature min. 5 °C / maximum 30 °C, short-term maximum 40 °C. Shelf-life for an unopened Kit in a cool and dry place: 2 years.

## Hazard and Precautionary Statements

Repair-Spray 50 ml: **Danger.** Extremely flammable aerosol. Pressurised container: May burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cracking. Buildup of explosive mixtures possible without sufficient ventilation. **Warning!** Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use. Protect from sunlight. Do not expose to temperatures exceeding 50 °C / 122 °F. Dispose of contents/container in accordance with regional regulations. Contains n-butyl acetate, acetone, 2-methoxy-1-methylethyl acetate

UFI: EJXC-R70A-299S-V7R2

Filler 30 g: **Warning.** May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear protective gloves/eye protection. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with regional regulations. Contains 2-hydroxyethyl methacrylate | methacrylic acid, monoester with propane-1,2-diol | 2,2'-ethylenedioxydiethyl dimethacrylate | cobalt bis(2-ethylhexanoate)

UFI: 8A6Q-X7HH-N99A-1PDU

Hardener 8 g: **Warning.** May cause an allergic skin reaction. If medical advice is needed, have product container or label at hand. Keep out of reach of children. Wear protective gloves/eye protection. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Dispose of contents/container in accordance with regional regulations. Contains Dibenzoyl Peroxide.

UFI: CXUP-Q70G-K99F-0CW1

