

Technical Data Sheet

3661 PLUS PLUS PLASTIC PAINT



Scope of application

One-component methacrylate coating for walls and floor surfaces indoors and suitable outdoors with normal pedestrian load. Not suitable for garages and bicycle rooms (not plasticizer resistant*), areas subject to traffic or for areas with standing water/permanently wet condition. Standard colours light grey and stone grey are approved for indoor oil drip trays. (Note separate item - "Oil collection pans").

Suitable substrates: Plaster after sufficient time, concrete, screed, masonry, wood and floor surfaces with firmly adhering, plasticizer-free old dispersion-based paints. *

* Plasticizers (plasticizing agents) are substances that are widely added to plastics, floor coverings, rubber, adhesives to make them softer and more flexible. Prolonged direct contact with tyres, cables, rubber feet, etc. should be avoided as plasticizers migrate into the coating and soften it.

Product features

- Resistant to certain oils
- Good abrasion resistance
- Dirt-repellent
- Excellent elasticity and weather resistance
- Water vapour permeable
- Environmentally friendly as it can be diluted with water

Scope of application:

The coating material is suitable for coating concrete, plaster and screed surfaces of collecting basins and lounges within closed buildings for storage: Heating oil EL according to DIN 603-1, unused internal combustion engine oils, unused motor vehicle gear oils and mixtures of saturated and aromatic hydrocarbons with an aromatic content <20% by weight and a flash point <55 °C, e.g. insulating oils for transformers and hydraulic oils: Shell Diala Oil D from Deutsche Shell AG and the following hydraulic oils: NUTO H 46 from Esso AG, Shell Tellus Oil L 46 from Deutsche Shell AG, Aral Vitam GF 46 from Aral AG, Energol HLP-HM 46 from BP Oil Deutschland GmbH.

Classification of scope of application

Exterior 1	Exterior 2	Interior 1	Interior 2	Interior 3
0	0	+	+	+

(-) not suitable / (o) partially suitable / (+) suitable

Classification according to climatic conditions of the scope of application Please note the technical information "Classification of areas of application".

Gloss level

Satin

Density

ca. 1.3 g/cm³

Material base

Methacrylate dispersion

Dilution

As interior primer coat with 30% water (interior) optionally KRAUTOL PENETRATING STOPPER PLUS
Primer coat (exterior) with undiluted KT-PENETRATING STOPPER PLUS intermediate and final coat.

Tint

Tinting by machine using the KRAUTOL COLOR mixing system of B1, B2 and B3. Due to tint, deviations are possible in technical characteristics.

Processing type

Brushing, rolling or airless spraying. Stir thoroughly before processing

Airless application:

Nozzle	0.013" - 0.015"
Spray pressure	150 bar

Stir well

The right tool

High-quality roller with a pile height of 11-18 mm, e.g. ROTAnyL 11mm/18mm

The suitable primer

KRAUTOL PENETRATING STOPPER PLUS

Substrate

The substrate must be clean, dry, firm, stable, dimensionally stable and free of separating substances. There must be no residues, care products or similar on the surface to be coated.

The maximum moisture content in the subsurface must not exceed 5%. The minimum adhesive tensile strength must be 1.0 N/mm². Moisture-stressed substrates must have a sufficient gradient so that standing water is avoided.

Stable surfaces with contamination (dust, dirt, etc.)

clean using appropriate measures.

Unstable, heavily soiled surfaces

Intensively and mechanically prepare surfaces that, e.g., are contaminated with oil, fat, rubber abrasion, etc. or have powdery or glassy cement stone. Oil stains should be treated with a commercially available oil remover. There must be no residues, care products or similar on the surface to be coated.

Old coatings

Remove loose coatings or non-adhesive paint from coated surfaces. Clean stuck dispersion coatings. Rigid EP coatings must be cleaned thoroughly, then sanded or blasted matt (until white cracking). When revising old diffusible coatings, it may be necessary to check whether there is sufficient diffusivity for the overall system.

Breakouts and defects in the substrate

Fill flush with the surface using suitable materials.

Paint system

Prepare the substrate by taking appropriate measures so that it meets the requirements listed under "substrate".

For oil collection pans, see separate point.

Apply interior primer diluted with 30% water or optionally KT-PENETRATING STOPPER PLUS, on the exterior diluted with PENETRATING STOPPER PLUS.

Note on the oil collection pan, see below.

Crack-free substrates:

Apply intermediate and topcoat (i.e. two coats) with undiluted KRAUTOL 3661 PLUS.

Cracked substrates:

Coat once with KRAUTOL 3661 PLUS. Embed suitable fabric (e.g. Kobau, glass mesh fabric 5/5, overlapping at least 5 cm) into the wet paint, apply an intermediate coat of KRAUTOL 3661 PLUS. Individual cracks can be covered with strips of fabric (15 - 20 cm wide) along the course of the crack. After the intermediate coat has dried, apply a final coat of KRAUTOL 3661 PLUS.

Oil collection pans

Structural requirement for oil collecting trays

Settlement and shrinkage cracks in the surrounding walls and the bottom of the collecting troughs and collecting spaces must be prevented by design measures (e.g. interlocking, reinforcement, anchors, etc.). The "liquid pressure" load case must be taken into account. Movement joints are not permitted in the area of the collecting pans and collecting rooms. Concrete, plaster and screed surfaces must be stable and free of defects. Internal edges must be designed as fillets. Plaster and screed must adhere firmly to the stable components or surrounding walls and the sole. Their surface must not be smoothed with a steel trowel, but rather rubbed with a wooden board. Subsequent powdering with cement is not permitted. Pipe penetrations in the area below the maximum possible liquid level in collecting pans and collecting rooms are not permitted. Masonry and concrete surfaces that do not meet the above conditions must be provided with a firmly adhering cement plaster. Concrete, plaster and screed surfaces must be at least 28 days old and dry before they are coated. The following standards and minimum requirements apply to the quality of the substrates:

Concrete: DIN EN 206-1: 2001-07, DIN 1045-2: 2001-07, DIN 1045-3: 2001-07

Plaster: DIN EN 998-1: 2003-09 and DIN V 18 550: 2005-04, plastering mortar group CS IV or PIII

Screed: DIN EN 13 813: 2003-01 and DIN 18 560-3: 2006-03, Table 1 – Strength class C25/F4 in conjunction with DIN 18 560-1: 2004-04, paragraph 7.5

Exposure to water must be avoided on the back of the coating. If groundwater, seepage or other water can penetrate the component from the back, it must be sealed accordingly. DIN 18 195-4 applies to this: 200-08 Building seal, seal against soil moisture (capillary water, adhesive water) and non-stagnant seepage water on floor slabs and walls, dimensioning and execution. A coating with Krautol 3661 PLUS can only be applied if the aforementioned structural requirements are met, as only then can it fulfil its purpose.

Coating system for oil collecting pans

When used as oil pan coating, at least one primer coat and two undiluted topcoats must be applied with standard tints KRAUTOL 3661 PLUS light grey and stone grey. Observe minimum consumption (950 ml/m²). To avoid defects, apply successive coats in different colours (light and stone grey). To make individual coats visible, the 2nd and 3rd layer should be only apply so far that 1 cm wide strip of the previous coat remains visible.

After the coating has been completed, a label must be attached in a clearly visible place with information about the coating material, date of execution and painter's name. Corresponding labels can be requested from KRAUTOL.

Processing instructions

- When processing the coating material in collecting pans and collecting rooms, the requirements of general building inspection certificate must be observed. General building inspectorate test certificate is available from the manufacturer.
- Organic dyes (e.g. in coffee, red wine or leaves) as well as various chemicals (e.g. disinfectants, acids, etc.) can lead to changes in colour. This does not affect functionality.
- Slip-resistant sealing R 10: Indoors only: Full glass micro spheres 3% by weight in the last coat.

Consumption

Floor coating:

Primer coat: Approx. 250 ml/m², diluted 30%
Intermediate coat: Approx. 250 ml/m²
Topcoat: Approx. 250 ml/m²

Oil collection pans:

Only use approved standard colours light grey and RAL 7030 stone grey

Primer coat: 200 ml/m², diluted 30%
Intermediate coat: Approx. 400 ml/m²
Topcoat: Approx. 400 ml/m²

The exact consumption can be determined by doing a test coat.

Drying

Can be accessed after 6 hours at 20 °C and 60% relative humidity. Can be subjected to mechanical stress after 3 days. At lower temperatures and higher humidity, these durations are longer.

Cleaning the tools

Immediately after use and during longer breaks in work, wash with water or warm soapy water.

Storage

Cool, dry and frost-free. Stored in original sealed container at approx. 20 °C for 2 years.

Please note

Not a dangerous substance or mixture. Keep out of reach of children. Ensure thorough ventilation during processing and drying. Avoid eating, drinking and smoking while using the product.

Status: 01/2024

This Data Sheet is compiled based on the state of the art and our experience. However, in view of the variety of possible requirements and conditions for the respective object, your obligations to check our product(s) for their specific suitability for the intended purpose remain unaffected for you as user. Only the latest edition of the technical data sheet is valid. Please consult www.krautol.de to verify that this edition is up to date at.

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In case of contact with eyes or skin, rinse immediately with water. Do not allow to enter drains, waterways or soil. Clean tools with soap and water immediately after use.

Use dust filter P2 for sanding work. Do not inhale spray mist. Use combination filter A2/P2. Contains 1,2-benzisothiazol-3(2H)-on, mixture of 5-chloro-2-methyl-2H-isothiazol-3-on [EC No. 247-500-7] and 2-methyl-2H-isothiazol-3-on [EC No. 220-239-6] (3:1), 2-methyl-2H-isothiazol-3-on. Can cause allergic reactions.

Allergy hotline

+ 49 (0) 800/1895000 (free from German landlines)

GISCODE for coating materials

BSW20

Product code for paints and varnishes (obsolete)

M-LW01

VOC content

EU limit for the VOC content of this product (Cat. A/i): 140 g/l (2007) / 140 g/l (2010). This product contains a maximum of 30 g/l VOC.

Disposal

Only completely empty containers may be recycled. Dispose of contents and container in accordance with local, regional, national and international regulations.

Container sizes

	750 ml	2.5 l	5 l	10 l	12.5 l
Beige RAL 1001	•	•			
Reseda green RAL 6011	•	•			
Nut brown RAL 8011	•	•	•		
Stone grey RAL 7030	•	•	•	•	

Light grey	•	•	•	•	
Reddish brown RAL 8012	•	•	•		
Deep black RAL 9005	•	•			
White	•	•	•		
Colour	•	•			

Factory tint *					•
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* Any tint, after feasibility check

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