



Permanent coating for easy graffiti removal.

Product description:

KTX 30 is an isomorphous, single-component coating, translucent after drying, which constitutes permanent protection against graffiti paints. It is entirely transparent and does not distort or damage the visual effect of the covered substrate. It dries fast, presents very good adhesiveness and durability. The surface is perfectly protected against application of graffiti aerosol paints, most commonly available markers, dirt, acid rain, alkalis.

On its application, KTX 30 constitutes a highly translucent release liner which prevents pigments from penetrating into the foundation and reduces their adhesiveness, often by forming easily-removable "pearl-like" concentrations. Surfaces protected with KTX 30, thanks to its anti-static properties, remain clean for much longer than usual, which actually limits the costs of maintenance by extending time intervals between cleaning episodes. On glass panels exposed to atmospheric conditions KTX 30 makes it easier for snow and rainwater to trickle down, thus leaving the surface translucent and improving visibility in adverse conditions.

KTX 30 is a product with preservative properties and UV filters thanks to which it preserves the colour of the protected surface. Also, it restores damaged, dull and oxidized surfaces' natural look.

It is available in two varieties: gloss and matte.

KTX 30 has been awarded Technical Approval of IBDiM: Nr. AT/2014-02-3069.

Technical Data:

Solid substance content: <60%

Density in 20° C: 0,87 g/cm

Ignition temperature: < 7°C

Physical state: liquid

Appearance: transparent, clear

Odour: ammonia

Technical data after application:

Coating durability: at least 5 years.

Graffiti removal: multiple

Dry coating thickness: 4-8 µm.

Full anti-graffiti protection after 24 hours.

Areas of application:

KTX 30 is used on smooth unabsorbent substrates like: varnish or powder coatings, polyurethane or epoxy coatings, industrial paints, plastics, polycarbonates, glass, steel, zinc plated substrates, aluminium as well as on natural stone such as granite. Applicable on the inside and outside surfaces of buses, trams, trains as well as parking meters and ticket vending machines.

Because of its outstanding translucency it is especially recommended for acoustic screens made of polycarbonates, poly(methyl methacrylate) and the like.

**Substrate**

Surface must be dry and cleaned of any atmospheric pollutants, dirt, oil and grease. The substrate should be cleaned with isopropyl alcohol. The parts of the surface which should not be affected by the protective coating have to be covered with construction foil.

Surface temperature: +5 to + 28°C

Relative air humidity: 30 to 80%.

In the case of unknown material, test the product's reaction with the surface.

Application:

After opening the container its contents are immediately ready for use. The product must not be stirred or shaken due to a possibility of explosive pressure forming in the container. After pouring a desired amount of the product close the container to prevent impact of humidity and evaporation of the solvent. Use small portions of the product at a time. Unused product should not be poured back into the original container. The product is applied in one thin layer.

Coating application: +5 to +28°C. Optimum temperature: +10 to +20°C.

Due to the speed of product evaporation average application time is max. 5 minutes at the temperature of +20°C, so any corrections must be carried out immediately. The coating is dry to the touch after about 1 h at 20 °C. It is crucial to make sure that no pollutants or water come into contact with the surface. The coating cures after 8 to 12 hours depending on the temperature (5-20°C). Full mechanical and chemical resistance is achieved after 7 days at 20°C, during this time the coating should not be cleaned or brushed strongly. Initial protective properties are obtained after 24 hrs. The appropriate temperature range must be maintained throughout the drying time, direct sunlight and humidity should be avoided. Humidity speeds up cross-linking of the coating and affects its quality and tightness. After the coating cures, it is impossible to apply another layer of the product or any other preparation or paint. It is essential to cover the surface thoroughly with the product. In case of negligence, problems with graffiti removal may occur. It is also important not to overdose the product, the average spread rate is 15 ml/m² and it should not be exceeded.

The product is applicable outdoors and indoors with proper air conditioning.

Pay special attention to burning cigarettes, sparking, use the product away from any potential sources of fire. Wind may spread the vapours over significant distances.

Application methods:

Spraying: The product can be applied by means of a pneumatic, low pressure (HVLP) spray gun with a 0.7-1.3 mm nozzle, at pressure of 2-3 bar.

Manual: microfibre cloth, microfibre rollers, window-glass washing pads or lint-free, absorptive fabrics. It is best to attach a sheet of microfiber to a wiper Apply the coating directly onto the microfiber, not onto the protected substrate. Replace microfiber if it's dirty. Use the product as concentrate; do not mix it with other liquids.

Graffiti removal:

Graffiti should be removed with our removal line products KT 01, KT 02. Apply the remover with a spray or sponge, avoid the product's streaking beyond the cleaned area. Wait between a few seconds and several minutes until the paint dissolves. Rub the remover



into the surface in rounded movements with an absorptive cloth or a sponge. After the paint has been removed, wipe the area with water.

After the graffiti has been removed, it is not necessary to apply the anti-graffiti coating again – only the graffiti has been removed, and the coating is left intact.

Removing posters and glue:

Posters, stickers and tapes sometimes come off on their own after a short time as a result of rain and wind impact. Alternatively, they can be removed manually.

The glue residue found on the protected surface or posters attached with special adhesives can be removed using a high-pressure cleaner with water jet of 40° C and pressure up to 70 bar.

Cleaning:

The coating can be cleaned manually or with a high pressure cleaner with the water pressure up to 70 bar, with widely available cleaning preparations. Avoid strong acids and alkalis.

Wear:

The basic rule is to apply one complete layer of coating.

The coating thickness of about 4 µm ensures sufficient protection.

The product is extremely economical.

Theoretical spread rate/output: **66 m²/1 L** (15 ml/L m²) up to **100 m²/1 L** (10ml/1 m²)

Theoretical spread rate/output is an approximate figure showing extreme amounts which may vary depending on the surface type.

Practical spread rate/output may depend on the conditions during application, the method of application and wastage during application.

Packaging:

metal: 0.1L, 1L, 5 L, 10 L.

Storage:

Temperature from + 5° to + 15° C in a shaded area.

Do not expose to sunlight due to the product's explosiveness under the impact of high temperature..

Durability:

6 months in closed original container.

Cleaning the equipment:

Before use, the sprayer has to be dried along with the tubes as the coating is sensitive to moisture.

Use butyl acetate for cleaning spraying devices before and after use.

Microfibre clothes must not be reused.

**Safety instructions:**

Pay attention to the surrounding environment and follow the regulations for work with chemicals

Keep away from children. Wear protective gloves, goggles and clothing during work.

Use individual respiratory protection equipment with A2 filter.

The gloves should be made of butyl or nitrile rubber.

Labelling:

DANGER

ADR/RID: UN 2924, class 3, III

Further information:

Information about safety in transport, storage and application as well as disposal and environmental protection is found in the product Safety Data Sheet.

The above information has been conceived in our production department in accordance with our knowledge and usage techniques. Since types of application and usage are beyond our control, no liability of the producer can be derived from the contents of this instruction sheet.

Due to various factors occurring when dealing with the product, the user should not depart from conducting any test trials and should follow the regulations in force at his/her own responsibility and risk.

The present Technical Data Sheet was produced on: 15th June 2016

The issue of the present Technical Data Sheet renders the older editions invalid.