

## **KEMPRO LAB**

### **Protective anti-graffiti permanent**

### **FEATURES**

Permanent, flexible and highly hard and brilliant protective coating, resistant to atmospheric and environmental conditions (UV radiation, industrial atmospheres, salt, etc.) and scratch.

**KEMPRO LAB** is an innovative product that is compatible with various types of materials such as **paints** (polyester, polyurethane, epoxy, epoxypolyester, alkyd, acrylic, etc.), **Glass, Metals, some Plastic materials, Smooth and Non-Porous Stones.**

This broadens the application possibilities.

After the application develops a transparent film characterized by strong **repellent properties** that make it difficult to adhere to many types of spray **paints, pennels** of various types, as well as smog, dust, combustion residues, impact with insects, residues bituminous and oxidative phenomena.

The best-performing paints and markers, however, which adhere to the protective film, don't develop a particularly tenacious adhesion and are therefore easily removable.

The removal step can conveniently be carried out with the specific Remover (**KEMPRO CLEAN** - Cod. K0053450).

The protective film after the rapid cleaning cycle has the same original features and properties.

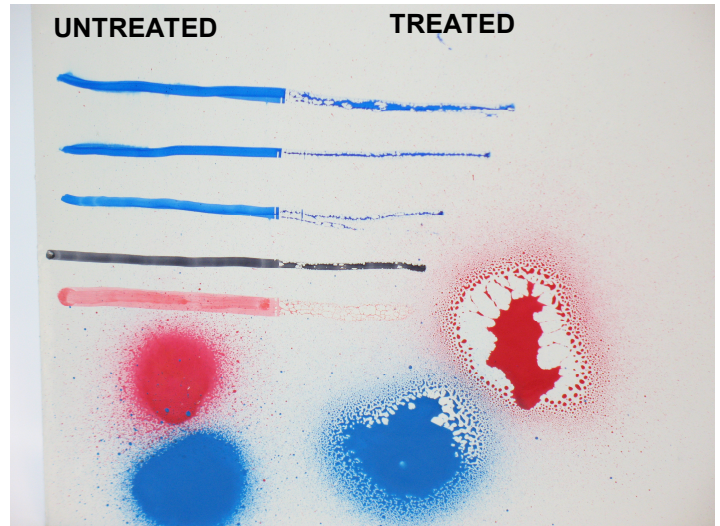
### **DURATION OF THE STRATUS**

The variables involved are in fact numerous and mainly:

- Correct preparation of the support
- Time of action and type of Remover
- Type and intensity of mechanical actions (use of scotch brite for cleaning)
- Objective reproducibility of the cleaning cycle
- Nature and extent of dirt

When **KEMPRO LAB** is applied correctly on clean surfaces, laboratory tests conducted with a variety of spray paints applied, left to dry for 48 hours and removed with **KEMPRO CLEAN** by a specific procedure, show that after 12 cycles the protective stratus doesn't show any alteration of shine, hardness and thickness.

It is therefore conceivable that several tens of cleaning cycles can be sustained without the need to restore the protective stratus.



In the treated band the stain effect on spray paint and indelible markers is evident - Varnished panel for external use

### **APPLICATIONS**

Main applications:

Protection of metal panels, painted and not, including car bodywork; road and advertising signs, public transport, shelter, metro, stations, panels of resilient plastic; waste bin, etc. line, metro, stations, resistant plastic panels; waste bin, etc.

### **CHEMICAL-PHYSICAL DATA**

|                     |                     |
|---------------------|---------------------|
| Color:              | clear colorless     |
| Odor:               | ammonia             |
| Flammability point: | 20°C ca.            |
| Density:            | 0.95 ca.            |
| Sol. In water:      | insoluble           |
| Yield               | 10 g/m <sup>2</sup> |



## HOW TO USE

Carefully clean the surfaces of the articles to be treated. Wait for perfect drying if water based detergents are used.

The application of KEMPRO LAB can be performed in the following ways, depending on the shape, industrial need and number of pieces.

- **Spray**
- **Immersion**
- **With TNT or microfiber cloths** (by sliding)

For spray applications (typically on large industrial scale) the choice of the dispensing system must be evaluated to achieve a significant reduction of the over spray. If the application method is through a cloth, the same should be supported on suitable tools. By immersing the cloth, care must be taken not to absorb too much of the product that would cause sagging. The areas to be treated should be passed once, if a second step is needed, this should be done almost instantly to avoid altering the appearance of the film during drying. It is possible to apply two hands. The second after perfect drying of the first one.

The treated articles can be used after about 4 hours of permanence at a temperature of 18 ÷ 20 ° C. The development of performance features of KEMPRO LAB coating is achieved after 5 days.

Times can be drastically reduced by subjecting the stratus to a thermal cycle of about 30 minutes when technically possible at 150 ° C. Pay particular attention to the amount of product to be applied.

The thickness with which you have the best results is about 5 microns and is obtained by applying about 10 grams of product per m2. Absolutely avoid excessive product.



## STORAGE

The product is stored in a cool place in the original closed containers. Avoid exposure to moisture. Carefully read the Safety Data Sheet before using it.

## PACKAGING

The product is available in Kg 1-5 packs