



# Ensi

## DESCRIPTION

Urethane oil.

## PRODUCT FEATURES AND RECOMMENDED USES

- For oiling of concrete surfaces.
- Penetrates into concrete without forming a protective film.
- Withstands well abrasion and washing.
- Resistant against petrol, spirits and lubrication oils and grease.
- Resistant against vegetable and animal grease and weak solutions of acids and alkali
- Suitable for concrete floors and walls in industry, store and cellar spaces

## TECHNICAL DATA

### Volume solids

30±2%

### Specific gravity

0.8 kg / l

### Practical coverage

Coverage on concrete floors is on the average:

Porous concrete surfaces: 3–6 m<sup>2</sup>/l

Tight concrete surfaces: 10–15 m<sup>2</sup>/l

Practical coverage depends on the porosity of the substrate and on the application method.

### Drying time (+23°C)

Dust dry after 2 hours

Touch dry after 6 hours

Dries also in low temperature, over +5°C

### Thinners

White spirit 1050.

### Cleaning of equipment

White spirit 1050.

### Colors

Clear.

### VOC

VOC 2004/42/EC (cat A/h) 750 g/l (2010)

Ensi: max. VOC < 750 g/l

### Can sizes

10,0 L



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## APPLICATION INSTRUCTIONS

- Surface preparation**      New concrete: Remove laitance by power grinding, vacuum grit blasting or hydrochloric acid etching. Choose the method best suited for the premises. After grinding remove dust carefully with a vacuum cleaner. Hydrochloric acid etching is carried out with diluted hydrochloric acid (1 part concentrated hydrochloric acid, 4 parts water). Rinse with plenty of water. Dry the floor.
- Old concrete: Remove all grease, oil, chemicals and other impurities by Maalipesu detergent. Clean out pot-holes removing all loose friable material. Open cracks with e.g. an abrasive tool. Remove loose material and dust.
- Application conditions**      The relative humidity of the concrete should not exceed 97%. The temperature of the ambient air, surface or coating should not fall below +5°C during application or drying. Relative humidity of air should not exceed 80%.
- Application**      By brush or roller.
- Prime using 10–20% thinned ENSI urethane oil. Pour ENSI onto the floor and apply evenly.
- The second treatment can be carried out after 12–24 hours after priming if necessary.
- Note! Apply ENSI thinly so that after drying it has completely absorbed into the concrete.

- HEALTH AND SAFETY**      Containers are provided with safety labels, which should be observed. Further information about hazardous influences and protection are detailed in individual health and safety data sheets.
- A health and safety data sheet is available on request from Tikkurila Oyj.

### **For professional use only.**

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practical experience, and it is given to the best of our knowledge. The quality of the product is ensured by our operational system, based on the requirements of ISO 9001 and ISO 14001. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We disclaim liability for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice.

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In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.