

## Fontedur FL Matt

### DESCRIPTION

A two-component, water-borne polyurethane lacquer.

### PRODUCT FEATURES AND RECOMMENDED USES

- The M1 classification for low-emitting building materials has been granted by the Finnish Building Information Foundation RTS
- Can be tinted into Semi-transparent Grey colors in Pro Grey color card
- Suitable to be used as a top lacquer for Fontefloor and Temafloor epoxy and polyurethane floors
- Can also be used for dust binding, does not darken concrete surface

### TECHNICAL DATA

#### Volume solids

40±2 %

#### Specific gravity

1.1 kg / l

#### Mixing ratio

Base	10 parts by volume	Fontedur FL Matt
Hardener	1 part by volume	008 4911

#### Pot life (+23°C)

2 hours.

#### Practical coverage

Untreated concrete	7–12 m <sup>2</sup> /l
Top lacquering	10–20 m <sup>2</sup> /l

Practical coverage depends on the porosity and evenness of the substrate.

#### Drying time (+23°C)

Dust dry after 40 min  
Fully cured after about 1 d

At lower temperatures the curing process will last longer.

#### Thinners

Water

#### Cleaning of equipment

Water.

#### Finish

Matt.

#### Colors

Colorless. Can be tinted into Semi-transparent Grey colors in Pro Grey color card (TVT 5140–5154) with Avatint tinting system

#### Reaction to fire

B<sub>FL</sub>-s1 according to standard EN 13501-1.

#### VOC

VOC 2004/42/EC (cat A/j) 140 g/l (2010)  
Fontedur FL Matt: max. VOC < 140 g/l

#### Can sizes

3,0 L, 10,0 L

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## APPLICATION INSTRUCTIONS

- Surface preparation** Remove dust and loose particles from the floor. Remove all grease, oil and other impurities by detergent washing.
- 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 +10°C during application or drying. Relative humidity of air should not exceed 90%.
- Mixing components** First stir base and hardener separately. Mix the correct proportions of base and hardener thoroughly (approx. 3 minutes to get homogenous mixture) by using a low speed industrial hand drill with a paddle. Insufficient mixing or incorrect mixing ratio will result in uneven drying of the surface, weaken the properties of the coating and risk the success of the application.
- Topcoating** Overcoating time depends on the drying time of the product to be overcoated. If overcoating is done over 7 days after priming, the surface has to be abraded and cleaned before applying Fontedur FL Matt. Thin 10–20% with water. Pour the mixture onto the floor and apply it with a trowel and level with a roller. Apply as thin layer as possible.
- Treating a floor with semi-transparent tinted lacquer:
- Color and quality of the substrate have an impact on final color shade and appearance. Also application method has an effect on appearance because application marks will be visible. Roller application is not recommended for tinted lacquer. Characteristic appearance and roughness of concrete surface can be accentuated by applying tinted Fontedur FL Matt by trowel as thin layer as possible. The color shade will be more transparent if the floor is first treated with untinted lacquer.
- Note! Add the remaining mixture to the next batch of the product, do not scrape it out of the container onto the floor.

- 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 industrial and 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.

The product is intended for professional use only and shall only be used by professionals who have sufficient knowledge and expertise on the proper use of the product. The information above is advisory only. To the extent permitted by applicable law, we shall not approve of any liability for the conditions under which the product is being used or for the use or application of the product.

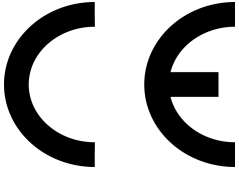
In case you intend to use the product for any other purpose than that recommended in this document without first getting our written confirmation on the suitability for the intended use, such use takes place at your own risk.

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## EN 1504-2:2004

The European harmonized productstandard EN 1504-2:2004 defines the requirements for surface protection systems for concrete.

This product is tested and CE-labelled in accordance with the tables 1d and 1f in the appendix ZA.

	
0809	
Tikkurila Oyj Kuninkaalantie 1 FI-01300 VANTAA	
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0809-CPD-0773	
TIK-8400-5010	
EN 1504-2:2004	
Product for protection and repair of concrete structures – Coating.	
Permeability to CO <sub>2</sub>	$s_D > 50 \text{ m}$
Impact resistance	Class I: $\geq 4 \text{ Nm}$
Capillary absorption and permeability to water	$w < 0,1 \text{ kg/m}^2 \cdot h^{0,5}$
Abrasion resistance	$< 3000 \text{ mg}$
Reaction to fire	B <sub>f</sub> -s1
Adhesion strength by pull off test	$\geq 2,0 \text{ N/mm}^2$
Release of dangerous substances	NPD
Permeability to water vapour	Class I, $s_D < 5 \text{ m}$