

# Fontelac QD 80

## DESCRIPTION

A water-borne, one-component glossy topcoat based on alkyd dispersion.

## PRODUCT FEATURES AND RECOMMENDED USES

- Suitable for product painting in metal industry and for painting stations
- Good gloss and colour retention in climatic stress
- Not suitable for immersion or constant humidity
- Recommended especially as a glossy finish for small tanks, agricultural machinery, haulage equipment and other machinery and equipment

## TECHNICAL DATA

**Volume solids** 37±2% (ISO 3233)

**Weight solids** 52±2%

**Specific gravity** 1.2±0.1 kg / l

## Recommended film thicknesses and theoretical coverage

Recommended film thicknesses		Theoretical coverage
wet	dry	
90µm	35µm	11.4 m <sup>2</sup> /l
150µm	60µm	6.7 m <sup>2</sup> /l

Practical coverage depends on the application method, painting conditions and the shape and roughness of the surface to be coated.

## Drying time

DFT 40µm	+15°C	+23°C	+60°C
Touch dry, after	2h	1½h	20min
Recoatable, after	2h	1h	20min

Drying and recoating times are related to the film thickness, temperature, the relative humidity of the air and ventilation.

## Gloss

Gloss.

## Color shades

Temaspeed Fonte tinting.



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## APPLICATION INSTRUCTIONS

<b>Surface preparation</b>	Primed surfaces: Oil, grease, salt and dirt are removed from the surface by appropriate means. Repair any damage to the primer coat. Note the overcoating time of primer. (ISO 12944-4)
<b>Recommended primers</b>	Fontecryl 10, Fontecryl AP, Temaprime EE, Temaprime EUR, Temaprime GF.
<b>Recommended topcoats</b>	Fontelac QD 80.
<b>Application conditions</b>	All surfaces must be clean, dry and free from contamination. The temperature of the ambient air, surface and paint should not fall below +10°C during application and drying. Relative humidity of the air should not exceed 70% during application and drying. The surface temperature of steel should remain at least 3°C above the dew point. Good ventilation and sufficient air movement is required in confined areas during application and drying.
<b>Application</b>	<p>Stir the product carefully before use.</p> <p>For airless spraying, the product is thinned approximately 0–5%. Recommended nozzle tip is 0.011"–0.013" and pressure 120–180 bar. Spray angle shall be chosen according to the shape of the object.</p> <p>For dip coating, the product is thinned approximately 0–15% to viscosity 20–25s (DIN4).</p> <p>For brush application the product should be thinned according to the circumstances.</p>
<b>Thinners</b>	Water
<b>Cleaning of equipment</b>	<p>Clean the spraying equipment immediately after use as follows:</p> <ol style="list-style-type: none"><li>1. Run the equipment with water to remove excess paint from the equipment.</li><li>2. Run the equipment with a mixture of approx 20% Thinner 1109 in clean water, at least two times.</li><li>3. Finally wash with undiluted Thinner 1109.</li></ol> <p>Wash the equipment with water before starting to paint again. Unwashed equipment can cause serious surface defects.</p> <p>Contact Tikkurila Technical Service for detailed instructions for cleaning 2-component application equipment.</p>
<b>VOC</b>	The Volatile Organic Compounds amount is 80g/litre of paint.VOC content of the paint (thinned 15% by volume) is 70 g/litre.

**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.

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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.