



## Foundries and Primary Metal Fabrication

TIKKURILA

**Other market areas where  
Tikkurila have developed high  
performance, environmentally  
friendly coating systems include:**

- OEM – Original Equipment Manufacture
- ACE – Agricultural, Construction and Earth Moving Equipment
- Shelving and Racking
- Floor Coatings
- Protective Coatings

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# Foundries and Primary Metal Fabrication

**Tikkurila Coatings have developed a new, environmentally friendly product range for foundries and the metal fabrication industry, which reduces VOC emissions and provides better working conditions.**

*Melted iron has a remarkable role in core making.*



The foundry industry has traditionally used solvent-borne alkyd coatings for primary castings and other manufactured items. Where a higher degree of chemical or abrasion resistance has been required, two pack epoxy materials have been used. However, as new environmental legislation has increased the pressure to reduce solvent emissions from painting processes, the demand has grown for a new, environmentally friendly product range for painting in foundries.

Water-borne coatings have been available for many years but have not generally performed as well as the solvent-borne alternatives. Tikkurila Coatings has now developed a water-borne product range for foundry painting that does not compromise product performance.

## water-borne

The range includes highly adaptable water-borne coatings which meet the requirements of the UK EPA regulations (PG6/23) and which makes it possible to meet the solvent emission limits of the European Union VOC Directive.

With the new Tikkurila materials, it is now possible to meet better working conditions and achieve as good, if not better, performance than traditional, solvent-borne coatings. Indeed, the new water-borne range offers some real performance advantages.



## Products and Features

### Fontecryl AP

A water-borne, fast drying acrylic primer with excellent anticorrosive properties. *Fontecryl AP* is suitable for dipping or for airless spray application. A range of colours are available.

### Fontecryl 10

A water-borne, fast drying acrylic primer with good anticorrosive properties. Available in two grades; *Fontecryl 10* is suitable for airless spray application. *Fontecryl 10 Dipp* is designed for dipping, flow coating and conventional spraying. A range of colours are available in both grades.

### Fontecoat EP Primer

A water-borne two pack epoxy primer with very good anticorrosive properties and excellent mechanical abrasion and chemical resistant properties. Fontecoat EP Primer is suitable for airless, air assisted and conventional spray methods. A range of colours are available.



*Painted man hole covers are stored on pallets to be delivered to customers. Niemisen Valimo Oy, Harjavalta, Finland*

flexible  
and  
durable

### All products offer the following benefits:

- Suitable for overcoating with most water- and solvent-borne topcoats, both single pack and two pack
- Fast drying and curing
- Excellent protection against oils, fuels and cleaning solvents
- Superior corrosion resistance (see table below)
- Low VOC's and better working environment

*Casted parts get a durable surface by spraying. Componenta Karkkila Oy, Finland*

fast drying

*The colour gives the finishing touch to components in the Dipping Station. Componenta Pori Oy, Finland*

