



Kersten Kunststoffcoating

## Resicoat



# Resicoat

*Resicoat is a high-quality coating based on an epoxy resin made by Akzo Nobel. Some of the types, RT 9000 R4 have a Kiwa product certificate for potable water applications.*

## Applications

The most important application of Resicoat is on cast iron by dipcoating in a fluidised bed. The production installation has several ovens and powder reservoirs that can coat products with diameters to 2.000 mm.

Examples of cast iron products are:

- Valves.
- Water meters.
- Couplings.
- Hydrants.
- Pipe systems.

Couplings



## Properties and benefits

The dipcoat procedure means that products are completely coated in a single operation, with a uniform and very robust coating.

The most important properties and benefits of Resicoat are:

- Chemical resistant.
- Hard and resistant to abrasive media.
- Smooth surface and pore-free.
- Free of solvents.
- Resicoat is Kiwa-certified for use in potable water applications.
- After cooling down, coated products are immediately ready for use without any loss of time through drying of the coating.
- Durable.

## Construction

All constructions should be accessible for visual inspection, grit blasting, coating and thickness and pore control. It is also necessary to round off sharp edges with a radius of 3 mm. All parts should be totally welded without pores, polished and welding drops should be removed. The holes for the bolts in flanges should be rounded and sized 2 mm. larger in diameter if corrosion-protection is required.

## Dipcoating in a fluidised bed

Resicoat can be applied by dipcoating in a fluidised bed. Kersten Kunststofcoating uses this unique procedure to apply coatings to pipe systems and other constructions. The procedure is:

- Check on arrival to ensure all products are suitable for coating.
- Grit blasting SA 2<sup>1/2</sup> and remove dust.



*Coupling*

- Preheat products in ovens to above the melting temperature of Resicoat.
- Dipcoat in a fluidised bed. The preheated products are coated in a dipcoat installation, which includes a reservoir for the powder. Air is blown through the porous bottom of this reservoir, to fluidise the powder. The temperature of the products causes the powder to melt and cure to a pore-free and homogeneous coating.
- Check the coating thickness and in some cases test the pore-freedom of the coating after the construction has cooled down.

This procedure maximises corrosion protection and guarantees a long service life for your products and systems.

### **Electrostatic powder spray**

Resicoat can also be applied by electrostatic powder spraying.

The coating procedure is:

- Check metal products on arrival to ensure they are suitable for coating.
- Grit blasting SA 2<sup>1/2</sup> and remove dust.
- Preheat the products in ovens to above the melting temperature of Resicoat.
- After product preheating, Resicoat is sprayed on the product. The difference in electric potential between the powder and surface causes the powder to be drawn to the surface. If necessary, the product is placed in the oven to cure the powder.
- Check the coating thickness and in some cases test the pore-freedom of the coating after the construction has cooled down.



*Connection saddle*

# Resicoat



Brummen



Kahla



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