

Radiator Enamel 990

aromatics-free, good hiding power, high gloss,
heat-resistant up to +180°C



Field of application

For hard-wearing coats on steel and cast iron radiators, powder coated radiators as well as pipelines in warm water and steam heating systems. Also suitable for use in green houses.

Properties

- Aromatics-free
- Based on alkyd resin
- High gloss
- Heat-resistant up to +180 °C
- adhesive
- good hiding power
- very hard-wearing
- with good flow properties
- low yellowing tendency
- excellent edge coverage
- Complies with EN 71-3 Safety of toys, resistant to saliva and perspiration
- easy to apply

Material description

Standard color	0095 white. Light color shades can be mixed using the Brillux Color System
Gloss grade	high-gloss
Base material	Alkyd resin, solvent-based, pigmented
VOC	EU limit for this product (Kat. A/i): 500 g/l (2010) This product contains a max. of 500 g/l VOC
Flash point	+41 °C
Density	approx. 1,13 g/cm ³
Packaging	Standard: 375 ml, 750 ml, 3 l

Use

Thinning Ready for use. Do not thin, otherwise the EU limit according to VOC directive is exceeded.

Tinting No tinting.
Light color shades are mixable using the Brillux Color System. For medium or full tinted coats on hot water radiators up to a max. of +80 °C, use Impredur High Gloss Enamel 840 or Impredur Silk Matt Enamel 880 (except for all light color shades).

Compatibility May only be mixed with materials of the same type and the materials specified for this purpose in this data sheet.

Application Radiator Enamel 990 can be applied by means of paintbrush or paint roller.

Consumption Approx. 80 to 100 ml/m² per layer. Determine exact consumption by means of a test application on the object to be coated.

Application temperature Do not apply if air or object temperature is below +5°C.

Tool cleaning Clean tools immediately after use with Thinner AF 631 or Quick-Acting Brush Cleaner 111.

Drying (+20 °C, 65 % relative humidity)

Dust-dry after approx. 3 hours. Recoatable after approx. 24 hours. Allow longer drying times at lower temperatures and/or higher air humidity.

Storage

Store in a cool and dry place. Reseal opened containers tightly.

Declaration

Product code BSL20.
Comply with the specifications in the current safety data sheet.

Coating build-up

Substrate preparation

The substrate must be solid, dry, clean, with good adhesiveness, load-bearing and free from separating agents. Remove rust from iron and damaged areas. Check existing coatings for their suitability, load-bearing and adhesive properties. Remove defective and unsuitable coatings and dispose of them in accordance with the applicable regulations. Thoroughly sand intact coats. Hazardous particles and vapors can be released while working on or removing coats, e.g. by means of sanding, flame cleaning, etc. Perform such work only in well ventilated areas and ensure the use of appropriate (breathing) protection as required. Depending on the requirements pretreat the substrate, apply a prime and/or intermediate coat. Also see VOB Part C, DIN 18363, Section 3.

Coats on radiators and radiator pipelines

Substrates	Prime coat	Intermediate and top coat
radiators, pipelines, etc, interior, untreated or paint stripped	Metal Primer 850	depending on the requirements once or twice Radiator Enamel 990
radiators, pipelines, etc, interior, factory primed	defective areas with Metal Primer 850	
Radiators, pipelines, etc, interior, with intact load-bearing alkyd resin paint		
Radiators with intact stoving enamel coat, powder coat and untreated non-ferrous metal pipelines interior	2K-Epoxi Varioprimer 865 or 2K-Epoxi Vario-primer S 864	

Notes

Factory priming

Factory priming must comply with DIN 55900.

Large-surface applications

For large-surface applications, we recommend using the waterbased Lacryl-PU Radiator Enamel 265 due to the typical smell of solvent-based alkyd res-in paints.

Sanding surfaces

We recommend sanding the surfaces between the individual work steps. Light sanding is required in particular if a "coat-on-coat" structure is used.

Heating-up radiators

We recommend heating up the radiators immediately after painting to minimize the odor build up and to facilitate faster drying.

Further information

Follow the instructions on the data sheets of the products used.

This Data Sheet is based on extensive development work and years of practical experience. The translation corresponds to the current German version, in compliance with the German laws, regulations, standards and guidelines. Its content does not constitute a contractual legal relationship. The user/buyer is not released from the responsibility of checking our products to ensure they are suitable for the intended application. In addition, our general terms of business apply.

When a new version of this Data Sheet with updated information is published, the previous version no longer applies. The current version is available on our website.

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