

# Metal enamel 40

## Product properties

Semi-gloss, quick-drying industrial and machine enamel. Provides a hard and robust surface that is gloss and colour stable. Resistant to chemicals and oil.

- Semi-gloss
- Resistant to chemicals and oil
- Gloss and colour-stable



## Product use

Final treatment of corrosion-protected iron and metal, indoors and outdoors.

## Substrate

Must be clean, dry, solid and suitable for paint treatment.  
Water traps or the risk of water accumulation must not occur.  
The substrate must be primed or previously treated.

## Treatment

Remove loose material and paint by cleaning with a steel brush, sanding or sandblasting.  
Dirt, grime, grease, oil, salts and chalking material are removed with Flügger Metal Pro Cleaner.  
Algae, mould and mildew growth are removed by cleaning with Flügger Facade Anti-green.  
Smooth, glossy surfaces are sanded matt.  
Prime exposed metal with Flügger Metal Pro Primer.  
Apply 2 coats of primer and 3 coats of topcoat.

## Application

Brush, roller or spray.  
Choose appropriate tools for the desired finish.  
Apply wet-on-wet, and finish by brushing/rolling in the same direction.  
Always use the same batch no. for continuous/unbroken surfaces.  
Differences in surface structure can result in colour deviation.  
Cold or heat can affect the material's viscosity.  
Material temperature when spraying must be min. 12°C.  
Condensation must not form.  
Avoid working in direct sunlight and very hot surfaces.  
Cold weather and high atmospheric humidity increase the drying time, complete curing and re-treatment interval.  
High temperature and low atmospheric humidity reduce the drying time and complete curing.  
Always apply test treatments to check and accept the adhesion and results.

## **Expected result**

Semi-gloss opaque surface.

The anti-corrosion properties of the surface depend on the nature of the substrate, design, construction, layer thickness, application and exposure.

Strong especially dark shades are more delicate than light by wear and touch.

Chalking due to excess pigment may occur.

Exercise care in loading the surface until the paint is fully cured.

## **Cleaning and maintenance**

Clean as needed with Flügger Fluren 37 Basic Cleaner or Flügger Facade Anti-green.

Check the treatment regularly to detect any corrosion.

Clean, sand, prime and repaint the surface as needed.

## **Please note!**

Protect freshly painted surface from adverse weather conditions.

Take appropriate measures against the effects of moisture and rainfall on freshly painted surfaces.

The surface achieves maximum robustness when fully cured.

Prolonged heating can cause the paint to yellow.

## **Environmental information**

Minimize your paint waste by pre-estimating how much paint you need.

Remove as much paint as possible from tools before cleaning.

Paint and cleaning fluid must not be poured down drains, but collected and disposed of as environmental waste.

Empty and dry packaging should be sorted as metal.

Store excess paint correctly so that leftovers can be used and environmental impact is minimised.

## **Storage**

Cool, frost free and tightly closed

## **Protection equipment**

Protect skin and eyes from splashes with suitable clothing, gloves and glasses.

Avoid inhalation of spray mist and grinding dust.

Wear suitable protective equipment, see safety data sheet for further information.

## Technical Data

Product Type	Metal Paint
Gloss	Semi Gloss;40
Density (kgs/l)	1.3
Solids Weight %	67
Solids Vol. %	38
Nominal spreading rate (m <sup>2</sup> /ltr.)	10
Long spreading rate (m <sup>2</sup> /l.)	12
Short Spreading rate (m <sup>2</sup> /ltr.)	8
Min. working temp. during application and drying/curing	Min. +5°C
Humidity	Max. humidity 80 % RH.
Drying time at 20° C, 60 % RH (Hours)	1
Recoatable at 20° C, 60 % RH (Hours)	4
Fully cured at 20° C, 60 % RH (Days)	28
Dilution	Do not dilute
Cleaning of Tools etc.	White spirit

## Current TDS Version

October 2024

## Replaces TDS Version

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