

Surface treatment

Powder coating

Powder coating is the most optimal protection for steel. MHB powder coats all windows and doors in-house. Qualisteelcoat is Europe's stringent certification for steel powder coating. MHB holds Qualisteelcoat's highest C5 certification for extreme corrosive conditions. We make a distinction between 2 classifications based on project location:

Class C5	
Grit blasting	SA 3.0
Qualisteelcoat class	C5 - Norm ISO 12944-2:2018.
Scope of application	Applicable in industrial areas and coastal areas with high humidity, high salinity and aggressive atmosphere. Buildings or areas with almost permanent condensation or pollution.
Layer 1	Thermal zinc spraying applies a 60 µm thick zinc layer.
Layer 2	Sealing primer 60 µm.
Layer 3	Super Durable top coating 60 µm.

Class C3	
Grit blasting	SA 2.5
Qualisteelcoat class	C3- Norm ISO 12944-2:2018.
Scope of application	Applicable in urban and industrial areas with moderate pollution. Production halls with high humidity and some pollution: laundries, breweries, food processing industry.
Layer 1	Zinc-containing primer 60 µm.
Layer 2	Sealing primer 60 µm.
Layer 3	Super Durable top coating 60 µm.

Super Durable powder coatings are specifically developed for steel windows, frames and facades. They meet specifications and requirements of:

- Qualisteelcoat C3 and C5.
- GSB Master.
- AAMA 2604-2605 specifications and requirements.

Super Durable powder coatings are tested according to the Florida tests (three years). They significantly exceed all Qualisteelcoat specifications for gloss retention and colour stability.

Deviation in colour may occur, depending on the application. Contact MHB for more information.

Surface treatment

MHB Colour collection

This collection consists of the market's most popular colours, a fraction of our extensive colour possibilities. Additionally, MHB offers the option to apply any RAL colour. The colours in this collection are divided into two distinct categories: gloss & texture degree levels. Gloss degrees according to NEN-EN-ISO 2813:2014-10. The samples used in the colour collection swatch are non-binding. Deviations due to production/application factors are possible

Gloss degree level

High



Low

Matt ± 20- 30
Anodic ± 20
Deep Matt ± 2- 12

Texture degree level

Smooth



Coarse

Smooth Texture
Metallic Fine Texture
Fine Texture
Speckle Effect Fine Texture

Matt colours	Supplier code	± RAL
Matt, Smooth Texture		
M -Anthracite Grey	5903A70160S70	± 7016
M -Black Grey	5903A70210S70	± 7021
M -Umbra Grey	5903A70220S70	± 7022
M -Grey Brown	5903A80190S70	± 8019
M -Black Brown	5903A80220S70	± 8022
M -Cream	5903A90010S70	± 9001
M -Signal Black	5903A90040S70	± 9004
M -Jet Black	5903A90050S70	± 9005
M -Pure White	5903A90100S70	± 9010
M -Charming Copper	5903M84241S31	-
M -Mossy Grey	591TC77383A11	-
M -Cacao	591TC83327A11	-

Anodic colours	Supplier code	± RAL
Anodic, Smooth Texture		
A -Eloxal 35 Black	SD201C-4000720	-
A -Anodic Bronze	SD201C-8000320	-
A -Anodic Brown	SD201C-8000420	-

Deep Matt colours	Supplier code	± RAL
Deep Matt, Metallic Fine Texture		
DM -Noir 2300 Sablé	YW383I	± 9005
Deep Matt, Fine Texture		
DM -Black Brown	SD030C-8802220	± 8022
DM -Anthracite Grey	591TA70160R10	± 7016
DM -Black Grey	591TA70210R10	± 7021
DM -Umbra Grey	591TA70220R10	± 7022
DM -Cream	591TA90010R10	± 9001
DM -Signal Black	591TA90040R10	± 9004
DM -Jet Black	591TA90050R10	± 9005
DM -Pure White	591TA90100R10	± 9010
DM -Graphite Black	591TA90110R10	± 9011
DM -Classic 34	591TE82304R3F	-
DM -Dark Bronze	591TE82306R3F	-

Deep Matt, Speckle Effect Fine Texture		
DM -Weathered Iron	591TC77942A11	-

CTO

Powdercoating:
MHB Colour collection.

ETO

Powdercoating:
Colours not defined as CTO.

MHB Rembrandt Collection.

DTO

Project-specific surface
treatment not defined as CTO
or ETO.