Lindab **HighBuildPolyester**

HBP/ HBPM Coating

Technical Information

Lindab®

Technical facts Lindab HBP

Robust colour coated steel for roof and wall cladding, roof drainage systems, flashings and standing seam roofing.

High Build Polyester Coating

Robust colour coated steel for roof and wall cladding, roof drainage systems, flashings and standing seam roofing.

Available in glossy finish HBP and matte finish HBPM.

Base material

Both the HBP and HBPM is available on galvanised ZM140 or Z275 substrate.

HBP

- Textured coating for improved roughness
- Available in a wide range of colours with good colour retention
- Available on both SUB grades (ex. S250) and grades for standing seam roof (ex. DX52)
- High performance reverse side backing coat specially formulated for construction applications, suitable for foaming and gluing.
- For Rainline double coated material, the backing coat is the same thickness as the top coat

	Data	Trial method
Nominal organic coating thickness	35 µm	EN 13523-1
Gloss	40±6	EN 13523-2
Bending radius	1.5T	EN 13523-7
Backside coating	7 µm	EN 13523-1
Scratch resistance	Min 30 N	EN 13523-12
Maximum working temperature	80°C	
Corrosivity class	C4	EN 12944-2: 2017
UV class	RUV3	EN 13523-12

HBPM Matte Finish

- Slightly textured coating for improved roughness
- Available in a wide range of matte shades with good colour and gloss retention
- High performance reverse side backing coat specially formulated for construction applications, suitable for foaming and gluing
- For Rainline double coated material, the backing coat is the same thickness as the top coat

	Data	Trial method
Nominal organic coating thickness	30-36 µm	EN 13523-1
Gloss	10±3	EN 13523-2
Bending radius	2T	EN 13523-7
Backside coating	7 µm	EN 13523-1
Scratch resistance	25 N	EN 13523-12
Maximum working temperature	80°C	
Corrosivity class	C4	EN 12944-2: 2017
UV class	RUV3	EN 13523-12

Working temperature

Lindab HBP and HBPM has been tested to a maximum working temperature is 80°C.

Reaction to fire

Lindab HBP and HBPM fulfil class A2-s1,d0 according to EN 13501-1:2007+A1:2009.

Lifetime and Maintenance

For painted sheet metal, you can distinguish aesthetical and technical life span. Aesthetic life span is the time until the color layer has changed so much that the appearance no longer meets the required requirements. Technical life span is the time until steel no longer protects the building's structural structures or underlying construction. Regular maintenance extends the life of the paint layer and hence the time for repainting.

Radiation from the sun, weather and closeness to the sea front are factors that contributes to the ageing of the coating. The lifetime expectancy also depends if the material is used for wall or roof, for example a roof facing south where the inclination is small will be more affected of the sun than other surfaces facing north. Both the ultraviolet radiation and the heat from the sun affects the ageing.

Already the choice of the colour affects the lifetime expectancy, bright colors lasts normally longer than dark ones.

Touch up paint

If the coating suffers small scratches during the mounting, they shall be repaired with touch up paint. Paint with a narrow brush only in the scratch itself. Don´t paint a larger surface than needed as the colour might differ somewhat from the coated steel. It can also age differently over time than the precoating. Lindab supplies touch up paint in all standard colours.

Corrosivity classes according to ISO 12944-2 with environmental examples

Corrosivity category	**Corrosivity**	**Examples of typical environments (informative only)**	
		Exterior	**Interior**
C1	Very low	-	Heated buildings with clean atmosphere, e.g. offices, shops, schools, hotels
C2	Low	Atmospheres with low level of pollution: mostly rural areas	Unheated buildings where condensation can occur, e.g. depots, sports halls
C3	Medium	Urban and industrial atmospheres, moderate sulfur dioxide pollution; coastal areas with low salinity	Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries, dairies
C4	High	Industrial areas and coastal areas with moderate salinity	Chemical plants, swimming pools, coastal ship and boatyards
C5	Very high	Industrial areas with high humidity and aggressive atmosphere and coastal areas with high salinity	Buildings or areas with almost permanent condensation and with high pollution
CX	Extreme	Offshore areas with high salinity and industrial areas with extreme humidity and aggressive atmosphere and subtropical and tropical atmospheres.	Industrial areas with extreme humidity and aggressive atmosphere.

Good Thinking

At Lindab, good thinking is a philosophy that guides us in everything we do. We have made it our mission to create a healthy indoor climate – and to simplify the construction of sustainable buildings. We do that by designing innovative products and solutions that are easy to use, as well as offering efficient availability and logistics. We are also working on ways to reduce our impact on our environment and climate. We do that by developing methods to produce our solutions using a minimum of energy and natural resources, and by reducing negative effects on the environment. We use steel in our products. It's one of few materials that can be recycled an infinite number of times without losing any of its properties. That means less carbon emissions in nature and less energy wasted.

We simplify construction

Lindab®