



WARRANTY FOR COLOUR COATED STEEL PRODUCTS

2013-06-01

SCOPE

This warranty covers rust-through (technical) and abnormal colour change and peeling of the paint (aesthetical) in accordance with below terms and conditions on materials specified in table 1. Materials not listed are not covered by the warranty.

During the warranty period, Lindab guarantees that the coating will not suffer rust-through which may cause leakages. Lindab also guarantees that the coating will not flake or otherwise fragment or display abnormal colour change during the warranty period. Abnormal colour change is defined as more than 8 deltaE units over 5 years, 16 deltaE units over 10 years and 20 deltaE units over 15 years respectively (Cielab). Measurements of the colour must be carried out on a cleaned surface.

The warranty period starts from the date of delivery to Lindab's customer and is valid in accordance with the table below.

Table 1

Paint system	Use	Warranty for the colour (aesthetical)		Warranty for rust-through (technical)	
		Corrosivity class*		Corrosivity class*	
		C1-C3	C4	C1-C3	C4
PVDF	Facade cassettes	15 years	-	15 years	-
HBP	Standing seam roof and flashings. Roof- and wall cladding. Sandwich panels.	15 years	10 years	30 years	10 years
HBPM	Standing seam roof and flashings. Roof- and wall cladding. Sandwich panels.	15 years	10 years	30 years	10 years
HBPD	Roof drainage system	15 years	10 years	15 years	10 years
MPE	Roof cladding	10 years	-	10 years	-
PE25	Roof- and wall cladding Sandwich panels	10 years	-	10 years	-
PE15	Decking profiles	-	-	Corrosivity class* C1-C2 5 years	-

*See table 2 below



CONDITIONS

The warranty is not valid:

- A. For the protective coating on the backside of the material or surfaces having been touched-up with new paint.
- B. For edge corrosion on cut edges.
- C. In particular corrosive or aggressive environments (i.a. in corrosivity class C5) where for example corrosive chemicals are present in the air, in fumes or in smoke, where condensation, ashes, cement dust or droppings from animals can impact the surface.
- D. If the pitch of a roof or another surface is less than 1:16 (3,6°) and water cannot run off freely from all surfaces.
- E. If the sheet and its coating have been damaged chemically or mechanically.
- F. If the installation work has damaged the coating and has not been rectified by touch-up paint by the contractor or the property owner.
- G. If the material is not kept dry or is used or stored in contact with, or in the vicinity of, corrosive materials.
- H. If the material has been exposed to contact with copper or discharge of fluid from copper pipes.
- I. If accumulations of dirt or other deposits and rain sheltered areas have not been inspected and cleaned annually.
- J. If annual inspection or maintenance has not been carried out in a professional way.
- K. If the material has had contact with wet concrete or plaster, wet wood or soil.
- L. If the material has been exposed to constant moist due to poor installation or poor cleaning.
- M. If damage to the paint layer (aesthetical) is less than five (5) % of the total surface.
- N. If installation and maintenance have not been carried out in a professional way and according to currently applicable instructions.
- O. If the material has been stored or handled in an improper way for example if the material has not been exposed to free airflow or if the material has been exposed to large variations in temperature (both indoors and outdoors),



P. If the claim has not been made in writing to Lindab within six (6) months from the day the defect was noticed or should have been noticed.

Additional conditions for standing seam roof

The warranty is not valid if the seam sealant has damaged the sheet surface.

Additional conditions for roof drainage systems

The warranty is not valid if the pitch of the gutter is less than 2,5 mm/m or if stone granules have been accumulated in the gutter from a mounted roof product.

Additional conditions for roof- and wall cladding, sandwich panels and decking profiles

The warranty is not valid if fasteners and sealants unsuitable for the corrosivity class are used.

NOTIFICATION

A claim shall be notified in writing to Lindab no later than six (6) months from the day the defect was noticed or should have been noticed. The material must be identified with an order number and a copy of the invoice or other purchase document for the material must be presented.

Lindab, or a Lindab representative, shall have the right to inspect the installed material on site.

COMPENSATION

In case of an approved claim according to this warranty, Lindab shall, at its own discretion, compensate for the costs, fully or partially dependent on the age of the material, for either repainting of the defective material or delivery of new material. In case of sheets being rusted through which may cause leakage, defective material shall be replaced. The warranty period is not prolonged for replaced or repainted material. It applies for the remainder of the original warranty period.

The liability of Lindab will take into consideration that the building has served its purpose for a number of years and to the remaining life-time. Lindab applies the guidelines below. Repainting below refers to the total costs for repainting and new sheets refer to the costs for the material of new sheets.

Time years*	Repainting compensation %	New sheets compensation %
0-3	100	100
4-7	60	100
8-10	40	100
11-15	40	100
16-30	-	50

*Provided that the time is covered by the warranty period according to table 1.



With the exception for defects and remedies as stated above in this warranty, Lindab shall in no event be liable for any other defects and the buyer shall not be entitled to make any other claims. This applies to each cost or loss that any defect may cause including but not limited to cost for work associated with replacement of the material, as well as loss of production, loss of profit and other direct or indirect costs.

Table 2
Corrosivity classes according to ISO 12944-2 with environmental examples

Corrosivity class	Environmental corrosivity	Examples of typical environments (informative)	
		Outdoors	Indoors
C1	Very low	-	Heated spaces with dry air and insignificant amounts of pollutants, for example offices, stores, schools and hotels.
C2	Low	Atmospheres with low levels of pollution. Rural areas	Non-heated areas with fluctuating temperature and humidity. Low frequency of moisture condensation and low content of impurities, such as sports halls and warehouses.
C3	Moderate	Atmospheres with some salt or moderate air pollution. Urban and light industrial areas. Areas with some influence from the coast .	Areas with moderate humidity and a certain amount of air pollution from production processes, such as breweries, dairies and laundries.
C4	High	Atmospheres with a moderate amount of salt or significant amounts of air pollution. Industrial and coastal areas.	Areas with high humidity and high levels of air pollution from production processes, such as chemical plants, swimming pools and shipyards
C5-I	Very high (Industrial)	Industrial areas with high humidity and aggressive atmosphere.	Areas with almost permanent condensation and high levels of air pollution.
C5-M	Very high (Maritime)	Coastal and offshore areas with high salinity.	Areas with almost permanent condensation and high levels of air pollution.