



Lindab**Rubigo**

The natural material for your facade, with a unique appearance and patina that becomes more beautiful over the years. Maintenance-free with long service life.



Rubigo. Beautiful, natural, timeless.

Rubigo is a weathering steel which is principally used in facade cassettes.

After exposure outdoors to rain and wind, an even, dense oxide layer (patina) is formed on the surface of the steel. The layer impedes further access of moisture from causing further corrosion. The steel is resistant to high temperatures and does not alter in size as much as standard steel due to variations in temperature. Furthermore, it does not rust as fast as standard steel.

The material produces a beautifully patinated surface which requires minimum maintenance over the years. The rusted brown surface is trendy and easy to combine aesthetically with other colours and materials. Rubigo's rusty surface fits well with other natural materials such as stone and green vegetation.

Weathering steel was developed in the USA during the first decades of the 20th century. It was discovered that steel plate alloyed with copper withstood atmospheric corrosion much better than standard carbon steel.

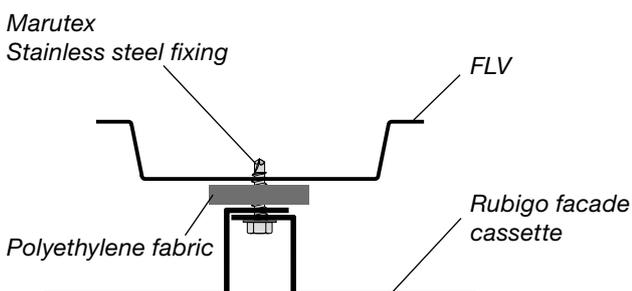




Surface and colour

When Rubigo facade cassettes are delivered to the construction site, it is possible that the patination process may have started on parts of the cassettes and/or on certain cassettes, depending on the weather, the wrapping and the time that the cassettes have been outside. The final result after the patination process is a dark purple brown rust surface.

The weather affects how long it takes before the material acquires its final appearance. It is hard to speed up the change in colour as the protective patina develops over a prolonged period when the material is exposed to conditions of alternate moisture and drying.



Rubigo together with other materials

It is important to remember that Rubigo undergoes a patination process and produces rusty run-off water for the first two years. The rusty water runs down along the material and can discolour other building materials. If there is a risk of the rusty water discolouring other materials, it should be collected and drained off. One suggestion is to have a gravel bed in the ground under the cassettes, so that any discoloured stones can be removed and replaced.

Materials which are not permanently discoloured, but which can be easily washed and therefore go well together with weathering steel are:

- Semi-matt or glossy enamelled sheet metal
- Hardened, washable organic covering
- Anodised or standard aluminium
- Stainless steel
- Neoprene
- Ceramic and glazed tiles
- Glass

The materials below are easily discoloured and are difficult to clean after being exposed to rusty water:

- Concrete and plaster
- Unpainted, hot-galvanised steel
- Unglazed tiles
- Matt enamel
- Stone
- Wood

Zinc-coated sheet metal and hot-galvanized steel structures should not come into direct contact with unpainted weathering steel as the zinc, which is a base metal, deteriorates in connection with galvanic corrosion.

Installation

As Rubigo cannot be used in direct contact with zinc-coated sheet metal, Rubigo cassettes should not be installed directly on S7 25. Instead use a coated batten, such as a black FLV profile and a polyethylene fabric as a spacer between the metals. Use stainless steel fixings, preferably screws where the entire product is stainless (Marutex for example).



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