

## engineered solutions for roofing and facades

## LUVATA

## Metals Distribution: Luvata

Typically copper doesn't remain bright for very a long time, when it is exposed to the environment, but gradually turns to a brown colour and then finally the surface goes various shades of green under suitable climate conditions. This process can happen quickly in a matter of months or can take 20-30 years depending upon the environment it is in. In some very rare cases the green patination never forms on the surface.

In this age of wanting everything now and not being prepared to wait such as faster internet connections, faster cars, fast food, etc.. very often it is desired to have the brown or green shade immediately after installation of the roof or façade. **Nordic Brown** is delivered already brown as in the first stage of the patinated process. **Nordic Green PLUS** which is as the name suggests arrives with a prepatinated green surface similar to natural patina. The surface pattern can be Traditional with an even green patina or Living 'spotty' surface. All copper surfaces are available in coils or sheets according to your needs.

Product Name	Product Description	Colour Sample
Mill Finished Copper	<ul> <li>Flat copper sheets and strip used for building purposes are made of phosphor-dioxidised copper in various tempers, annealed, half hard or hard. The majority of copper roofing is undertaken in the long strip method using half hard temper.</li> <li>The material properties correspond EN1172 requirements. The sizes for roofing purposes are typically from 0,5 mm to 1,00 thick material, but for wall cladding up to 1,5 - 2,0 mm or even thicker depending on design and production process.</li> </ul>	
Nordic Brown Copper	Nordic Brown <sup>™</sup> has been developed in order to give a choice to architects. The dark oxidized surface is equivalent to the degree of natural oxidation obtained before the development of a green patina can be observed.         The tenacious oxide surface provides a consistent and durable finish that helps avoid unsightly handling marks often associated with newly worked copper.	
Nordic Green PLUS Copper	<ul> <li>With the prepatination method various surfaces are achievable; traditional green and living 1 and living 2 surfaces.</li> <li>The patinated surface layer can be delivered on the inside or outside of the coil depending on requirements. Prepatinated coils can be easily cut to desired lengths or slit to a range of widths. Coils can also easily be cut into pieces suitable for fabrication of accessories.</li> </ul>	

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## aluminium zinc copper steel

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