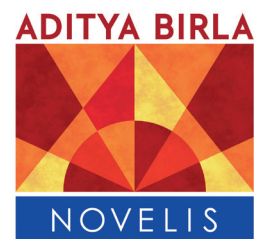


AC 7624-28 COPPER IMITATION  
AC 46X2-28 BRONZE IMITATION



## HIGH DURABLE PAINT (HD28)

### SUPER GRONDAL® Pre-painted aluminium for gutters

The new generation of pre-painted aluminium gutters has born. At Novelis Italia innovation is not only a word, but a great reality in continuous evolution. The Novelis laboratories have developed a special paint that makes SUPER GRONDAL® still more resistant to weather and polluting agents.

Thanks to this new shade, the aluminium becomes furthermore similar to the copper, with a considerable advantage: the effect remains unchanged through the years!

SUPER GRONDAL® is used to manufacture gutters, pluvials and accessories. Thanks to its exceptional resistance it would be a great choice also for façades (ventilated and non-ventilated) and roofing.

Differently from other materials, pre-painted aluminium is totally recyclable and maintains its mechanical and metallurgical properties over time.

SUPER GRONDAL® has an excellent resistance to the weather agents and does not release any kind of polluting material.

By keeping a strong attention to the environment, Novelis Italia gets a pretreatment process totally chrome-free. Moreover, the Coil coating painting system allows a perfect adhesion of the paint and a better resistance to corrosion and U.V. rays.

SUPER GRONDAL® is a light material: aluminium has a specific weight equal to a third of copper and steel. Such feature makes it easily transportable and also it can be quickly installed.

The use of proper sealers eliminates the laboriousness of the welding and it ensures a long duration and a perfect seal of the junctions.

In order to avoid any kind of galvanic corrosion, it is important to use aluminium accessories. With SUPER GRONDAL® it is possible to manufacture all kind of accessories necessary for the installation: elbows, collars, etc.

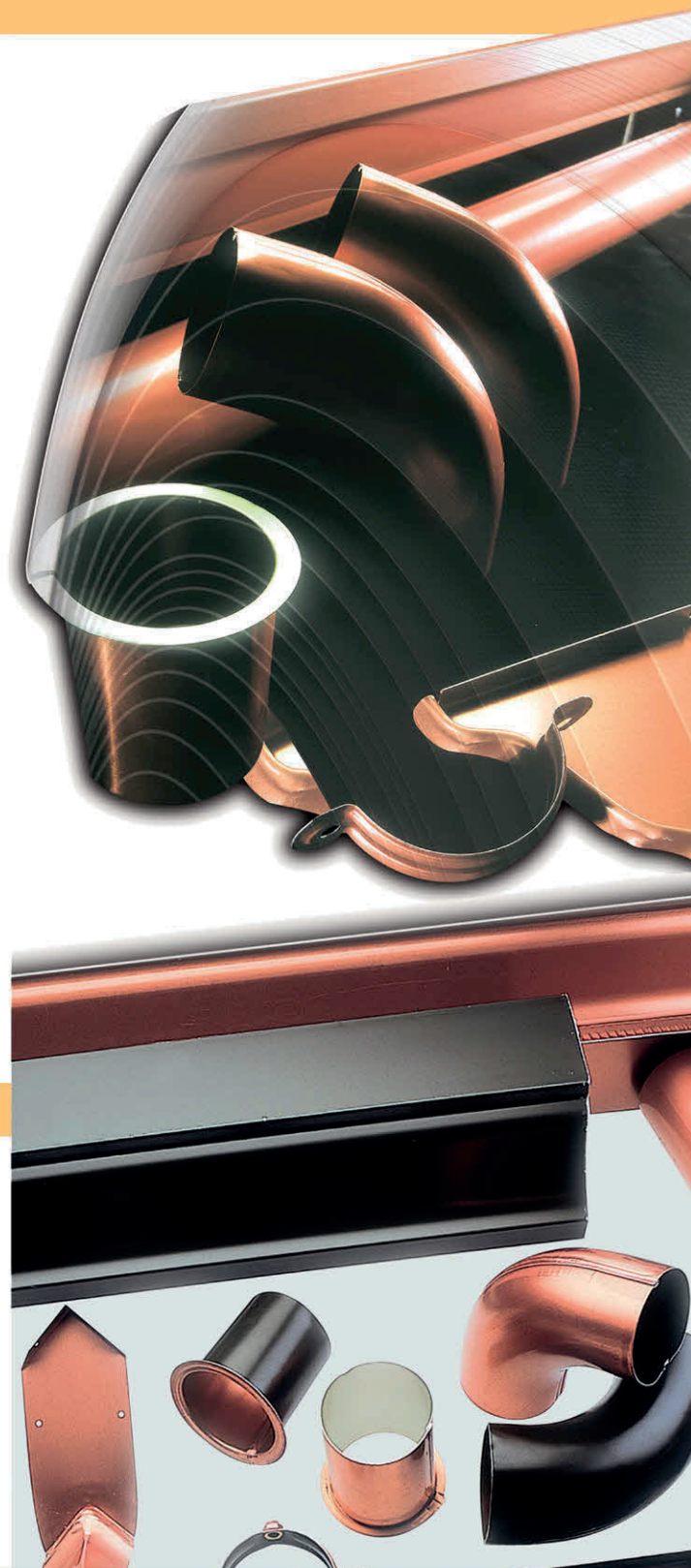
SUPER GRONDAL® is the new product that combines tradition and innovation.



## HIGH DURABLE PAINT (HD28)

### Metal specification

<b>Alloys</b>	EN AW5010 or EN AW8006 ; according EN 573-3:2006
<b>Tempers</b>	O annealed - H44 according EN 515:1996
<b>Dimensions</b>	Gauges 0.60 mm in 5010 and 8006 0.80 mm in 5010 2.00 mm in 5010
<b>Tolerances</b>	according EN 485-4:1996
<b>Surface Finishing</b>	semi-transparent paint system on brushed aluminium
<b>Mechanical properties after coating</b>	Alloy/Temper  5010 H44 according EN 1396:2007 Rm [MPa] 130 - 170 Rp <sub>0.2</sub> [MPa] 100 min A <sub>50mm</sub> [%] 3 min for 0,60/0,80 mm A <sub>50mm</sub> [%] 4 min for 2,00 mm  8006 O according internal standard Rm [MPa] 90 - 120 Rp <sub>0.2</sub> [MPa] 55 min A <sub>50mm</sub> [%] 20 min



### Coating specifications

<b>Paint system</b>	New "Super Grondal" Paint system with high durability (H.D.) with improved UV and corrosion resistance
<b>Pre-treatment</b>	Degreasing and chromium free treatment on top and reverse side

This technical sheet has to be considered for information only and could be submitted to revision