

# KIRJO AQUA 20

## Semi-matt sheet-iron roof and facade paint

Water-borne acrylate-based paint containing corrosion inhibitor for sheet-iron surfaces. Finish: semi-matt.



For painting of new unpainted zinc coated/galvanized sheet-iron surfaces and for maintenance painting of sheet-iron surfaces painted previously with alkyd or acrylate paints. KIRJO AQUA 20 can be applied to a new sheet-iron plate as soon as the plating is completed.

KIRJO AQUA 20 can also be used for maintenance painting of industrially paint coated sheet steel on vertical and horizontal surfaces: polyurethane, PURAL, PUREX, acrylic and PVC-Plastisol coatings.



### TECHNICAL DATA

<b>Certificates, approvals and classification</b>	Finnish Key Flag
<b>Fields of application</b>	Outdoor wall, Roof
<b>Solids</b>	Approx. 38% by volume
<b>Volatile organic compound (VOC)</b>	EU VOC limit value (kat A/i): 140 g/l. The product's VOC: max. 140 g/l.
<b>Practical spreading rate</b>	7 - 8 m <sup>2</sup> /l, 40 µm dry film, applied once with brush.
<b>Colours</b>	Base paints 1 and 3, which can be tinted to obtain the shades in Exterior Colour Card. Ready-made shades: T2504 Graphite grey, T2509 Red, T2514 Brown, T2515 Black.
<b>Tinting system</b>	Teknomix
<b>Gloss (60°)</b>	Semi-matt
<b>Thinner</b>	Water.
<b>Density</b>	Approx. 1.2 g/ml
<b>Storage</b>	Must not freeze.
<b>Packaging</b>	Base paint 1 and 3: 0.9 l, 2.7 l, 9 l, 18 l. T2515: 1 l, 3 l, 10 l, 20 l. T2504; T2509; T2514: 10 l, 20 l.

## DIRECTION FOR USE

### Surface preparation

**GALVANIZED SHEET-IRON ROOFS AND OTHER UNPAINTED GALVANIZED SURFACES:** A new sheet-iron roof can be painted as soon as it is completed. This is an advantage particularly in urban climate as the unpainted iron-sheets do not get dirty prior to painting. Wash galvanized surfaces before painting with RENZA STEEL washing agent for galvanized surfaces according to the instructions for use and rinse thoroughly with fresh water. NOTE! Cleaning agent must not dry onto the surface to be painted. Remove possible rust by e.g. steel brush.

**ROOF SURFACES:** Remove all flaky and poorly adherent old paint as well as rust by scraping, by steel brush and/or by a machine. If the whole paint coat is, or can be assumed to be poorly adherent (e.g. paint is flaking in many areas), the paint is removed by mechanical methods or with paint remover. Bitumen paints and tars are removed totally before painting with KIRJO AQUA 20. The surface is washed with RENZA ROOF roof wash (diluted 1 part detergent : 3 parts water) and rinsed with fresh water. NOTE! Cleaning agent must not dry onto the surface to be painted.

**VERTICAL/WALL SURFACES:** industrially coated sheet steel - polyurethane, PURAL, PUREX, acrylic and PVC-Plastisol coatings: The type of the old coating and the suitability of KIRJO AQUA 20 for its maintenance painting must be defined before painting. If there are doubts about the suitability and adhesion, these are to be ensured by test painting. The condition of the industrial coating and its adhesion to the sheet steel must be evaluated carefully. If the old coating is badly damaged, weathered/chalked, cracking or peeling from large areas, it must be completely removed before painting with KIRJO AQUA 20. Peeling of old, poorly adherent coating cannot be stopped by maintenance painting. The surface is washed with RENZA ROOF roof wash (diluted 1 part detergent : 3 parts water) and rinsed with fresh water. NOTE! Cleaning agent must not dry onto the surface to be painted.

**Priming**

Apply KIRJO AQUA 20 directly to clean zinc coated and galvanized surfaces as well as thoroughly cleaned old surfaces painted with alkyd or acrylate paints. Bare steel surfaces, which are cleaned from rust are primed with FERREX AQUA Anticorrosive Paint.

Roof and horizontal surfaces, coated sheet steel - polyurethane, polyester, PURAL, PUREX, acrylic and PVC-Plastisol coatings: Priming with KIRJO AQUA paint for sheet-iron roofs by the instructions in it's TDS and top coating with KIRJO AQUA 20.

Vertical and wall surfaces, coated sheet steel - polyurethane, PURAL, PUREX, acrylic and PVC-Plastisol coatings: Priming and top coating with KIRJO AQUA 20.

**Application method**

Airless spraying, Brush

**Application**

Stir thoroughly before use.

NEW UNPAINTED SURFACES: Apply the paint by brush or airless spray. When applied by a brush, apply the paint twice to a dry film thickness of 2 x 40 µm. When spray painting the total film thickness of 80 µm (wet film abt. 210 µm) may be applied as a single coat. Recommended nozzle for airless spray is 0.015 - 0.019".

MAINTENANCE PAINTING: Bare, rust-free sheet-iron surfaces of the cleaned, damaged areas are touched up with KIRJO AQUA 20. Very rusty, cleaned steel surfaces are primed with FERREX AQUA Anticorrosive Paint. The surfaces are then painted with KIRJO AQUA 20 to a dry film thickness of 40 µm.

**Application conditions**

The surface to be treated has to be dry. During the application and drying period (note also the temperature of the night following the application) the temperature of the ambient air, the surface and the product shall be above +10°C and the relative air humidity below 80%. If the temperature of the surface to be painted exceeds +40°C, the application properties and the adhesion of the paint deteriorate.

**Thinning**

Dilute the product 5 - 15 % by volume by water, when required.

**Drying time**

+23°C / 50% RH

**- dust free**

1 h

**- overcoatable**

8 h

The drying process will be slower in cold and/or damp.

**Cleaning**

Warm water and RENSA BRUSH brush cleaner. Wash the equipment immediately after use.

**HEALTH AND SAFETY**

**Safety and precaution measures**

See safety data sheet.

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