



WATERPROOFING

APPLICATIONS

ROOFING

# FLAGON COPPER ART

TECHNICAL DATA SHEET

APTDS-E-175-01

## DESCRIPTION

Synthetic membrane manufactured in COPPER ART for mechanical fixing systems, reinforced by polyester mesh. It is manufactured by subsequent cast-spreading of polymeric compound encompassing copper particles in the superficial skins, conferring to the membrane the aesthetical features of the metal. Furthermore the membrane thanks to the special compound, after an oxidising process obtains, as time goes by, a brownish hue and, later on, it turns to dark brown, which witnesses its function as a covering in copper sheet.

Manufactured in a plant certified by UNI EN ISO 9001 (Quality management system) and UNI EN ISO 14001 (environmental management system). Setting performed by applicators approved by SOPREMA Srl. Finishing and accessories composed by elements produced and approved by SOPREMA Srl.

## FEATURES

- Weatherproof and UV resistance
- Resistant to wind stress
- High mechanical resistance
- Resistant to punching
- Weldability with hot air

## AREA OF USE

### ROOFING

- With particular aesthetic value
- Exposed roof, with mechanical fastening system

## PRODUCTION STANDARDS

|                                | FLAGON COPPER ART |
|--------------------------------|-------------------|
| Thickness                      | 1.80 mm           |
| Width                          | 1.60 m            |
| Number of rolls on each pallet | 12                |
| Length                         | 20 m              |
| Skin coloration                | COPPER            |

## CE MARKING

Unique identification code of the product-type: WPSIT0066

FLAGON COPPER ART membranes are produced by the company SOPREMA srl in Villa Santo Stefano are CE marked no.1085-CPR-018 in accordance with EN 13956:2012.





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## PROPERTIES

| Properties   | FLAGON COPPER ART        |                              |
|--|--------------------------|------------------------------|
|  | FLAGON COPPER ART 1.8 mm | Test method                  |
| Thickness (mm)                                       | 1.80                     | EN 1849-2                    |
| Weight (kg/m <sup>2</sup> )                          | 2.15                     | EN 1849-2                    |
| Tensile strength (N/5cm)                             | ≥ 1100                   | EN 12311-2                   |
| Elongation to break (%)                              | ≥ 15                     | EN 12311-2                   |
| Resistance to static punching (rigid support) (kg)   | ≥ 20                     | EN 12730 met. B              |
| Cold bending (°C)                                    | ≤ - 25                   | EN 495-5                     |
| Hydrostatic pressure resistance (6 hours at 0,5 Mpa) | waterproof               | EN 1928 met. B               |
| Dimensional stability (6 hours at 80°C) (%)          | ≤ 0,5                    | EN 1107-2                    |
| Accelerated light aging                              | 0 grade                  | EN 1297                      |
| Tear resistance (N)                                  | ≥ 200                    | EN 12310-2                   |
| Resistance to roots penetration                      | no penetration           | EN 13948                     |
| Fire resistance                                      | E                        | EN ISO 11925-1<br>EN 13501-1 |

(All values are nominal)

