



防水材料

主要适用范围

屋面

# FLAGON SR E+

技术资料卡 CTDS-04-20-01

## 产品描述

FLAGON SR E+ 是通过挤出法生产的聚酯网格增强型PVC-P合成卷材。此款产品具有特殊的色料成分，上下表面均为白色，具有高太阳反射系数（SRI）。此外，所有厚度的此款卷材均具有极高的抗气候老化以及抗UV老化性能。

## 产品特点

- 高太阳反射系数（SRI）
- 抗风应力
- 抗气候老化以及 UV 老化
- 高机械阻力
- 耐穿刺性能

## 应用区域

- 屋面
- 采用机械固定系统的暴露屋面
- 具有高 SRI 的屋面（冷屋面系统）

## 产品信息

| 产品构成                    | 检测方法          | FLAGON SR E+ |     |      |     |
|-------------------------|---------------|--------------|-----|------|-----|
| 厚度 (mm)                 | GB/T 328.5    | 1.2          | 1.5 | 1.8  | 2.0 |
| 宽度 (m)                  | -             | 2.1          |     |      |     |
| 长度 (m)                  | -             | 20 / 25      | 20  |      |     |
| 卷材上表面涂层厚度 (mm)          | GB/T 328.5    | ≥0.4mm       |     |      |     |
| 重量 (kg/m <sup>2</sup> ) | UNI EN 1849-2 | 1.5          | 1.8 | 2.15 | 2.4 |
| 颜色（上表面 / 下表面）           | GB/T 328.5    | 白色 / 白色      |     |      |     |

(所有值为标称值)

| 产品性能     | 检测方法            | FLAGON SR E+    |
|----------|-----------------|-----------------|
| 最大拉力     | GB/T 328.9      | ≥250N/cm        |
| 最大拉力时伸长率 | GB/T 328.9      | ≥15%            |
| 梯形撕裂强度   | GB/T 328.19     | ≥250N           |
| 抗冲击性     | GB/T 20624.2    | 0.5kg.m, 不渗水    |
| 低温弯折性    | GB/T 328.15     | -25℃, 无裂纹       |
| 不透水性     | GB/T 328.10     | 0.3Mpa下2小时, 不透水 |
| 热处理尺寸变化率 | GB/T 328.13     | ≤0.5%           |
| 人工侯化     | GB/T 18244-2000 | 超过5500小时        |
| 抗静态穿刺    | UNI EN 12730    | ≥20kg           |
| 接缝剥离强度   | GB/T 328.21     | ≥3N/mm          |
| 耐根穿刺性能   | UNI EN 13948    | 无穿透             |
| 太阳反射比    | GJB 2502.2-2006 | 0.82            |
| 太阳反射系数   | ASTM E1980-2011 | 102             |

(所有值为标称值)





WATERPROOFING

APPLICATIONS

ROOF

# FLAGON SR E+

TECHNICAL DATA SHEET CTDS-04-20-01

## DESCRIPTION

**FLAGON SR E+** is a PVC-P synthetic membrane obtained by coextrusion process, reinforced with polyester mesh. This compound contains special pigments, they confer to the membrane a white colouring and a high solar reflection index (SRI). Furthermore the membrane is featured by a very high resistance to weather agents and UV rays on all the thickness.

## FEATURES

- High solar reflection index (SRI)
- Resistant to wind stress
- Weatherproof and UV resistance
- High mechanical resistance
- Resistant to puncturing

## AREA OF USE

### ROOFING

- Exposed roof, with mechanical fastening system
- Roofing with high SRI (Cool Roof Effect)

## PRODUCT DATA

| Composition  | Test Method   | FLAGON SR E+  |     |      |     |
|--|---------------|---------------|-----|------|-----|
| Thickness (mm)   | GB/T 328.5    | 1.2           | 1.5 | 1.8  | 2.0 |
| Width (m)  | -             | 2.1           |     |      |     |
| Length (m)   | -             | 20 / 25       | 20  |      |     |
| Thickness of resin layer above the padding fabric (mm) | GB/T 328.5    | ≥0.4mm        |     |      |     |
| Weight (kg/m <sup>2</sup> )                            | UNI EN 1849-2 | 1.5           | 1.8 | 2.15 | 2.4 |
| Color (Top surface/Underface)                          | GB/T 328.5    | White / White |     |      |     |

(All values are nominal)

| Properties                              | Test Method     | FLAGON SR E+           |
|---|-----------------|------------------------|
| Maximum tension                         | GB/T 328.9      | ≥250N/cm               |
| Elongation at maximum tension           | GB/T 328.9      | ≥15%                   |
| Trapezoidal tear strength               | GB/T 328.19     | ≥250N                  |
| Impact resistance                       | GB/T 20624.2    | 0.5kg.m, No leakage    |
| Low temperature flexibility             | GB/T 328.15     | -25°C, No cracking     |
| Watertightness                          | GB/T 328.10     | 0.3Mpa, 2h, No leakage |
| Dimensional change after heat treatment | GB/T 328.13     | ≤0.5%                  |
| Artificial climate accelerated aging    | GB/T 18244-2000 | ≥ 5500h                |
| Resistance to static loading            | UNI EN 12730    | ≥20kg                  |
| Overlap peeling strength                | GB/T 328.21     | ≥3N/mm                 |
| Root puncture resistance                | UNI EN 13948    | No penetration         |
| Solar reflection ratio                  | GJB 2502.2-2006 | 0.82                   |
| Solar Reflectance Index                 | ASTM E1980-2011 | 102                    |

(All values are nominal)

