

WRINKLED Polyester Pre-painted Galvanised Coils

Wrinkled Polyester, essentially being a wrinkly surface effect, when homogeneously applied to the whole surface becomes a prestigiously preferred product with esthetic and functional purposes. The finish provides the steel to have the appearance of ceramic roof tiles, but with higher functional properties.

Wrinkle surfaces based on highly endurant polyester resin, has **high outer endurance** and **perfect bendability**. On the other hand due to the textured surface, snow piles can not hold on to the roof and the surface can easily be cleaned. These advantages provide this product to be highly preferred in the roofs of constructions placed in northern or high altitude regions in many countries.

With the use of pigments causing specific images, unique visual effects like matt brightness (1-10 gloss) can be obtained.

In UV classification, product is considered as RUV3.

Mechanism of Formation

With the use of special chemicals, during drying process, a solvent evaporates and as a result a thin layer of the film contracts by volume, forming the wrinkle effect. A rapid curing is seen in the upper layers of the film compared to the lower layers. While the lower layers are still fluid, the upper layers have less fluidity. This crust forms a wrinkle effect.

Factors like curing, film thickness, catalisors, type and amount of crosslinkers are some of the factors that have an influence on the mechanism and final Appearance of the wrinkle.

Other paint components like pigment and solvent also have a big effect on the texture of the wrinkle. Therefore, it is possible to get different sized wrinkles for different colours of paint.

With small modifications in the parameters of productions lines, wrinkling process can be applied smoothly as in standard paint applications.

Usage

Wrinkled polyester products, that provide a fine and rough surface effect, are highly preferred for **roofing and siding** applications.

When compared with ceramic roof tiles, Wrinkled Polyester has many advantages; As they are **much lighter** than tiles, covering the roofs is much easier and much faster. Repairs can be **operated and concluded easily** due to big pieces of steel sheets. They are suitable for **covering flatter roofs** without any water leakage through joints. Snow easily slides down from the roof and the roof is **less sensitive** to any kind of dirt. The look in the roofs or sidings is very **esthetic**.

Another usage of wrinkle applications is in **garage doors**.

Product Portfolio

Currently suppliable polyester wrinkle applications are in the colours of RAL 8019 (grey brown), RAL 3005 (wine red), RAL 7024 (graphite grey), RAL 6020 (chrome green), RAL 8004 (copper brown), RAL 3011 (brown red), RAL 9005 (jet black), RAL 3004 (purple red), RAL 8017 (chocolate brown), RAL 8002 (signal brown), RAL 3009 (oxide red) ve RAL 6005 (moss green).



With Regards,

MMK Metalurji – Sales & Marketing Directorate