

ANTI-SLIP EFFECT CERTIFIED PRODUCT

Estalia Group proposes the product **E-FLOOR Serie 0245**, which, when combined with **5% Antiskid Additive Series 0851**, offers an anti-slip effect in accordance with **DM 236/1989**.

Ministerial Decree No. 236/1989 defines the technical requirements necessary to guarantee accessibility, adaptability, and visibility of private and publicly subsidised public residential buildings, for the purpose of overcoming and eliminating architectural barriers; in particular, Article 8.2.2 deals with the subject of anti-slip flooring, which, to be defined as such, must be made of materials whose coefficient of friction meets certain requirements.

The coefficient of friction is measured by means of the B.C.R.A. (British Ceramic Research Association Ltd.) method, where it is defined that it must have a value greater than 0.40 both in the case of a leather slipping element on dry surface and in the case of a standard hard rubber slipping element on wet surface.

The **B.C.R.A. method** is applied using an instrument that measures the dynamic coefficient of friction between a sliding element, slid by a small vehicle travelling at a constant speed, and the pavement, which is effectively the test surface.

The Coefficient of Friction (COF) values are divided into:

- **Dangerous slippery:** $\mu < 0.2$
- **Excessive slippery:** $0.2 \leq \mu < 0.4$
- **Satisfactory friction:** $0.4 \leq \mu < 0.74$
- **Excellent friction:** $\mu > 0.74$

E-FLOOR Serie 0245, when combined with **Antiskid Additive Series 0851**, is a product with an anti-skid effect as it achieved results in accordance with **Decree No. 236/1989**, shown in the table here below:

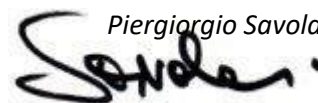
DRY TEST SURFACE (D), LEATHER SLIDING ELEMENT	
TYPE OF PATH:	COEFFICIENT OF FRICTION (COFd) μ
Straight	0.48
Diagonal to the right	0.48
Diagonal to the left	0.48
WET TEST SURFACE (water + detergent) (w), STANDARD HARD RUBBER SLIDING ELEMENT 4S	
TYPE OF PATH:	COEFFICIENT OF FRICTION (COFd) μ
Straight	0.68
Diagonal to the right	0.69
Diagonal to the left	0.68

The product is suitable for indoor use and can also be applied on cement floors and concrete substrates, thus showing dustproof and wearproof properties.

Castenedolo, 4/04/2023

TECHNICAL DIRECTOR

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