ADAPTA POWDER COATINGS

TECHNICAL DATA SHEET

PHOTOLUMINESCENT

PRODUCT CODE: RM-0009
LABORAT. CODE: 04-12881-RM/2 01/09/2005 0:00:0
DESCRIPTION: PES TRANSP FOTOLUMINISCENTE
EDITION: 1 01/09/2005

CHARACTERISTICS

Powder coating obtained from polyester resins without TGIC. Applied on white to get more luminance.

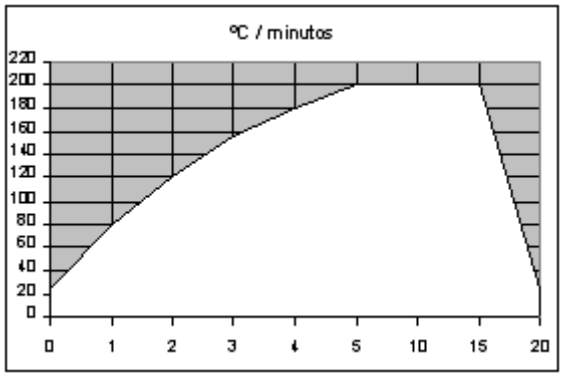
USAGES

This product is a glow-in-the-dark powder, which absorbs light and then re-emits it over a length of time. Designed for the coating of safety markings, evacuation plans and emergency exit signs.

TECHNICAL PROPERTIES

PHYSICS	MIN	MAX	METHODE
BAKE ALUMINIUM SUBSTRATE	14 a 200ºC	16 a 200ºC	Tpo. Total
MECHANICS	**MIN**	**MAX**	**METHODE**
FILM THICKNESS	60	90	ISO 2360
GLOSS	5	10	ISO 2813
ADHESION	0	0	ISO 2409
PERSOZ HARDNESS	200		ISO 1522
PARTICLE SIZE	**MIN**	**MAX**	**METHODE**
PARTICLE SIZE. MEDIUM SIZED	38	43	MALVERN
PARTICLE SIZE % < 100 µ	90	100	MALVERN
PARTICLE SIZE % < 50 µ	60	70	MALVERN
PARTICLE SIZE % < 10 µ	5	10	MALVERN
OTHER	**MIN**	**MAX**	**METHODE**
COLOUR	BIEN		NIZI-001
ASPECT	=STD		NIZI-001

BAKE SCHEDULE



ADITIONAL INFORMATION

TYPE: STANDARD
S.A.T. Nº: 12.881
REF: F
QUALICOAT:
PACKING(KG): 20

OBSERVATIONS

Complies with DIN 67510-1, in accordance to test number: C/050195 (AIDO)

Low luminance requirements for photoluminiscent products to be used in signposting are:
- luminance at 10'>=40mcd/m² (our test: 101,80 mcd/m²)
- luminance at 60'>=5,6 mcd/m² (our test: 13,67 mcd/m²)
- decay time 0,3 mcd/m²>=800' (our test: 1507')

RECOMENDATIONS

Test Nº C/050195 carried out on metallic white panels with a minimum thickness film powder of 100 µ.

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