

MARDOM DECOR

MARDOM Sp. z o.o.

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PolyForce® TECHNICAL SPECIFICATION

CHARACTERISTICS

DENSITY:	ca. 450 kg/m ³
COMPOSITION:	polystyrene 95%
	The product is free of CFC, ozone depletion factor: 0.
	The product is free of asbestos.
	The product is free of cyanides
HARDNESS:	ca. 55+ Shore D for ScratchShield® products; 40 Shore D for other products
THICKNESS:	Variable. 7 mm - 50 mm
TOXICITY:	The product itself has a low oral toxicity.
	The inhalation toxicity of the foam dust (inert dust) is considered to be low.
	LD 50 oral > 2 000 mg/kg
	LD 50 dermal > 2 000 mg/kg
FIRE FIGHTING MEASURES:	The vapor mixes with the carbon oxides.
FIRE RESISTANCE:	The standard material is not flame retardant.
	Fire standard E - in accordance with PN-EN 13501-1+A1:2010. Can be provided with firestandard B-s1, d0 - in accordance with EN 13501-1:2018 on demand.

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TECHNICAL SPECIFICATION

TECHNICAL DATA

1.1. MATERIAL:	foamed polystyrene
1.2 DENSITY:	450 kg/m ³
1.3 HARDNESS:	ca. 55+ Shore D for ScratchShield® products; 40 Shore D for other products
1.4 OZONE DEPLETION FACTOR:	0 (cfc free, waterblown)
1.5 MELTING TEMPERATURE:	170 - 190°C
1.6 LINEAR THERMAL EXPANSION COEFFICIENT:	40 - 60. 10 - 6 m/k m
1.7 SURFACE:	Will accept any kind of good quality paint.
1.8 PRIMER:	One component paint. The primer will accept any quantity of paint.

CHARACTERISTICS

2.1 CHEMICAL PROPERTIES:	Does not deteriorate. Resistant to most common solvents and moisture.
2.2 PHYSICAL PROPERTIES:	Shock and split resistant.
2.3 INFLUENCE OF TIME:	Dimensionally stable, will not alter with time.
2.4. INFLUENCE OF HUMIDITY:	Water absorption (after 24 hours): <0,01%. No influence on the mechanical properties.
2.5. INFLUENCE OF SOUND:	Polystyrene is acoustically neutral.
2.6. INFLUENCE OF LIGHT AND SUN:	UV - resistant.
2.7. TOXICITY:	The product has low oral toxicity. The majority of opinions suggest that the inhalation toxicity of the foam dust is low. Some authors consider that the foam dust shouldn't be regarded merely as an inert 'nuisance dust'. Indoor VOC (Volatile Organic Compounds) Inhalation risk very low emission A+ (VOC 0%)