

# MARDOM DECOR

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## PolyForce®

### TECHNICAL SPECIFICATION

#### CHARACTERISTICS

DENSITY:	ca. 450 kg/m <sup>2</sup>
COMPOSITION:	polystyrene 95%
	The product is free of CFC.
	The product is free of asbestos.
	The product is free of cyanides
HARDNESS:	ca. 55 - 60 Shore D
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 orale > 2 000 mg/kg
	LD 50 dermale > 2 000 mg/kg
FIRE FIGHTING MEASURES:	The vapour mixes with the carbon oxides.
FIRE RESISTANCE:	The standard material is not flame retardant.

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### TECHNICAL SPECIFICATION

#### TECHNICAL DATA

1.1. MATERIAL:	foamed polystyrene
1.2 DENSITY:	450 kg/m <sup>3</sup>
1.3 HARDNESS:	over 40 Shore D
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:	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 should't be regarded merely as an inert 'nuisance dust'.