

## DECLARATION

For the following equipment:

### MOULDINGS IN POLYURETHANE: ORAC DECOR®

(Product Name)

Company: ORAC NV  
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BELGIUM  
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#### CHARACTERISTICS:

- Density:**  $\pm 215 \text{ kg/m}^3$  (\*) (\*) this value is variable
- Composition:** Polyurethane This is a composition of:  
- Polyol preparate (42%)  
Amlkylaminopoluol  
Diethylmethylbenzeendiamine  
Alkylaminocarbonzuuramide  
- Difenylmethane-diisocyanate (58%)  
This product is free of CFC.  
This product is free of asbestos.  
This product is free of cyanides.
- Hardness:** ca. 35 Shore D (\*) this value is variable
- Thickness:** This is variable: 8 mm to 30 mm.
- Surface:** Every product has a one component paint on methylethylketone basis.
- Toxicity:** The product itself has low oral toxicity as has been demonstrated in animal feeding test.  
The majority opinion appears to be that the inhalation toxicity (of foam dust) is also low,  
it is an inert dust.
- Flame retardant:** The standard material is not flame retardant.  
It is possible to apply for the German Standard DIN 4102 B2 (normal entflammbar)  
after slight adaptation of composition.

The following manufacturer is responsible for this declaration:

ORAC DECOR, Oudenburgsesteenweg 90, 8400 Oostende  
Oostende, Mai 16nd, 2002  
BELGIUM

## POLYURETHANE RIGID FOAM

### 1. TECHNICAL DATA

#### 1.1 *Material:*

Integral foam.

#### 1.2 *Density:*

± 215kg/m<sup>3</sup>

#### 1.3 *Hardness:*

Above 30 shore D

#### 1.4 *Ozon depletion factor:*

0 (cfc free, waterblown)

#### 1.5 *Temperature range without degradation:*

-20°C / +80°C

#### 1.6 *Ignition temperature:*

Higher than 350°C.

#### 1.7 *Coefficient of linear thermal expansion:*

40-60 . 10-6m/k m

#### 1.8 *Fire retardant:*

It is possible to make the polyurethane material Flame retardant.

#### 1.9 *Primed:*

One component paint. Primer will accept any qualitative paint.

### 2. CHARACTERISTICS

#### 2.1 *Chemical properties:*

Does not deteriorate and resistant to most common solvents and moisture.

#### 2.2 *Physical properties:*

Shock and splitting resistant.

#### 2.3 *Influence of time:*

Dimensionally stable: will not alter by time.

#### 2.4 *Influence by humidity:*

Has no influence on the mechanical properties.

#### 2.5 *Influence of sound:*

Polyurethane is acoustically neutral.

#### 2.6 *Influence of light and sun:*

Not UV-resistant. UV-resistant after final painting.

#### 2.7 *Toxic:*

The product itself has low oral toxicity as has been demonstrated in animal feeding tests. The majority opinion appears to be that the inhalation toxicity (of foam dust) is also low but some authors consider that the foam dust should not be regarded merely as an inert 'nuisance dust'.

## POLYURETHAAN HARDSCHUIM

### 1. TECHNISCHE INFORMATIE

#### 1.1 *materiaal:*

Integraal hardschuim.

#### 1.2 *Dichtheid:*

± 215kg/m<sup>3</sup>

#### 1.3 *Hardheid:*

Shore D: groter dan 30

#### 1.4 *Ozon verdunningsfactor:*

0 (cfc vrij, watergeblazen)

#### 1.5 *Temperatuurgebied zonder verlaging:*

-20°C / +80°C

#### 1.6 *Ontstekingstemperatuur:*

Hoger dan 350°C.

#### 1.7 *Coefficient van lineaire thermische expansie:*

40-60 . 10-6 m/K m

#### 1.8 *Brandbestendig:*

Het is mogelijk om deze producten brandvertragend te maken.

#### 1.9 *Afwerking:*

Bevat reeds een 1 componentige verf. De verf aanvaardt elke kwalitatieve verf.

### 2. EIGENSCHAPPEN

#### 2.1 *Chemische eigenschappen:*

Bestendig gedurende korte tijd tegen de meeste algemene oplosmiddelen en water.

#### 2.2 *Fysische eigenschappen:*

Schokbestendig en bestendig tegen barsten.

#### 2.3 *Invloed van de tijd:*

Dimensioneel stabiel: zal niet veranderen gedurende de tijd.

#### 2.4 *Invloed van de vochtigheid:*

Heeft geen invloed op de mechanische eigenschappen.

#### 2.5 *Invloed van het geluid:*

Polyurethaan is akoestisch neutraal.

#### 2.6 *Invloed van licht en zon:*

Niet UV-resistent. De afwerkingsverf zorgt voor de UV-stabiliteit.

#### 2.7 *Gifstig:*

PU is niet als gevaarlijke stof geclassificeerd.