

# DECLARATION

For the following equipment:

## MOULDINGS IN DUROPOLYMER®: ORAC AXXENT®

(Product Name)

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### CHARACTERISTICS:

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**Density:** ca. 400 kg/m<sup>2</sup> (\*) (\*) this value is variable

**Composition:** Polymer Polystyrene: 95 %

This product is free of CFC.

This product is free of asbestos.

This product is free of cyanides.

**Hardness:** ca. 55 – 60 Shore D (\*) (\*) this value is variable

**Thickness:** This is variable: 5 mm to 27 mm.

**Surface:** Every product has a one component paint on water 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.

*This material is conform the following norms and standards:*

- FDA regulation 21CFR 177.1640 (America)
- BGA section 5.1 (Germany)
- EC Directive EEC 90/128 (European Communities)
- EN 71 (European Communities)

LD 50 orale > 2000 mg/kg

LD 50 dermale > 2000 mg/kg

**Fire fighting measures:** Vapour mixes with carbon oxides

**Flame retardant:** The standard material is not flame retardant.

It is possible to apply for the German Standard DIN 4102 B2 after slight adaptation of composition (normal entflammbar).

**1. TECHNICAL DATA****1.1 Material:**

Foamed polystyrene.

**1.2 Density:**

950 kg/m<sup>3</sup>

400 kg/m<sup>3</sup> (ORAC Axxent)

**1.3 Hardness:**

Above 70 shore D

Above 40 shore D (ORAC Axxent)

**1.4 Ozon depletion factor:**

0 (cfc free, waterblown)

**1.5 Melting temperature:**

170-190°C

**1.6 Coefficient of linear thermal expansion:**

40-60 . 10<sup>-6</sup>m/k m

**1.7 Primed:**

A primer is applied to all products. This surface 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:**

UV-resistant.

**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'.

**1. TECHNISCHE INFORMATIE****1.1 materiaal:**

Geschuimde Polystyreen.

**1.2 Dichtheid:**

950 kg/m<sup>3</sup>

400 kg/m<sup>3</sup> (ORAC Axxent)

**1.3 Hardheid:**

Boven de 70 shore D

Boven de 40 shore D (ORAC Axxent)

**1.4 Ozon verdunningsfactor:**

0 (cfc vrij, watergeblazen)

**1.5 Smelttemperatuur:**

170°C- 190°C

**1.6 Coefficient van lineaire thermische expansie:**

40-60 . 10<sup>-6</sup> m/K m

**1.7 Afwerking:**

Ieder product is voorzien van een kwaliteitsvolle grondverf, geschikt voor alle goede afwerkingsverven.

**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:**

De primer heeft een bescherming tegen veroudering door UV-stralen.

**2.7 Giftig:**

PU is niet als gevaarlijke stof geclassificeerd.