

PRODUCT DESCRIPTION

Enduraspray 1000SL is a solvent free, two component, fast-cure polyurethane spray elastomer coating designed specifically for prop and theming applications. Due to **Enduraspray 1000SL** longer gel time this product will self-level during spray application.

BENEFITS

Self-level

Enduraspray 1000SL will flow and set during spray application producing a smooth surface.

Toughness and Flexibility

The high tensile strength and elongation of this product provides protection from mechanical damage and resistance to puncture and compression.

Increased Productivity and Economy

This product may be sprayed to thicknesses exceeding 1mm per pass .

Safety

This product contains no volatile or flammable solvents. This reduces hazards during transport, storage and application.

TYPICAL CHEMICAL PROPERTIES (20°C)

AMINE RESIN:

Appearance: Amber Liquid
Specific Gravity: 1.03
Viscosity (cPs): 500 - 800
Flash Point (°C): >149

ISOCYANATE:

Appearance: Clear pail yellow Liquid
Specific Gravity: 1.25
Viscosity (cPs): 200-400
Flash Point (°C): 210

MIXED SYSTEM:

Solids Content (%): 100
Mix Ratio (by Vol): 1:1

TYPICAL LAB PROPERTIES

Property	Result
Elongation @ 24°C	>250%
Hardness (Initial – 2 hours)	30-40D
(Aged – 72 hours)	45-50D



PACKAGING

Resin: Nett 210 kg per 200 litre drum;
Isocyanate: Nett 250 kg per 200 litre drum.



**STORAGE AND HANDLING
PRECAUTIONS**

ALL CHEMICALS MUST BE USED BY TRAINED PERSONNEL.

Under the recommended storage conditions and kept sealed in the protective aluminium foil bag, the kit has a nominal storage life of upto 12 months at a recommended temperature of 20-25°C.



APPLICATION DATA

Application Temperatures

Mix drums before use. In cold weather pre-heat the drums to a minimum 35°C prior to use.

Minimum recommended substrate temperature is 10°C. Maximum recommended substrate temperature is 50°C.

This coating is designed for application through heated, plural component, high pressure airless spray equipment capable of supplying material at the spray gun at a minimum of 2000 psi spray pressure and material temperature of 55-60°C.

Heater Temp: 50-65°C
Hose Temp: 50-65°C
Spray Pressure: 1400-1800 psi.

Optimise cured physical properties by balancing temperatures and spray pressures during application.

Cure Time and Recoat Time

This material will become tack-free within 30-60 seconds of spraying. Development of a full cure may take upto 72 hours. Material may be recoated when tack-free. Older coatings should be cleaned, lightly abraded to remove any oxidised material and cleaned thoroughly and the surface re-activated prior to recoat.



HEALTH AND SAFETY ADVICE

Refer to Polymer Group Safety Data Sheets for individual products. Also refer to the *Approved Code of Practice for the Safe Use of Isocyanates*.

ISOCYANATE COMPONENT CONTAINS:

Not classified a dangerous good.

Poly[oxy(methyl-1,2-ethanediy)], .alpha.-hydro-.omega.-hydroxy-, polymer with 1,1'-Methylenebis[isocyanatobenzene]($\geq 30 - \leq 60\%$); Methylenebisphenyldiisocyanate (mixed isomers)($\geq 30 - \leq 60\%$) & Tris(1-chloro-2-propyl) phosphate.

Causes skin irritation. May cause an allergic skin reaction. Causes serious eye irritation. Harmful if inhaled. May cause allergy or asthma symptoms or breathing difficulties if inhaled. May cause respiratory irritation. Suspected of causing cancer. May cause damage to organs through prolonged or repeated exposure if inhaled.

RESIN COMPONENT CONTAINS:

Not classified a dangerous good.

Harmful if swallowed
Harmful in contact with skin
Harmful if inhaled
Causes skin irritation
Causes serious eye irritation
May cause allergy or asthma symptoms or breathing difficulties if inhaled
May cause damage to organs

ISOCYANATE COMPONENT RESIN COMPONENT



DANGER

24 hour emergency response number

Ph +64 9 916 3026 (NEW ZEALAND)

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