



ENDURANCE 7100

(Adhesive Blend A)

TECHNICAL DATASHEET

Rev: 12/24

DESCRIPTION:

Endurance 7100 is a two part 100% solids polyurethane adhesive system designed to bond expanded polystyrene foam to various surface materials in order to manufacture laminated insulating panels for the cold store and building industries.

Endurance 7100 has been successfully used to bond Chromadek, galvanised steel sheeting, fibreglass and timber to expanded polystyrene foam to form laminated insulating panels.

Endurance 7100 has been formulated to foam slightly on reacting to fill small irregularities in the surface of the substrates.

Endurance 7100 is a polyester based polyol which when mixed with Endurance 9010 isocyanate reacts to form a semi-rigid polyurethane fire retarded adhesive.

TYPICAL PROPERTIES:

Polyol:

Appearance	:	Yellow/Brownish liquid
Viscosity (mPas) @ 25°C	:	1400 ± 100
Specific Gravity @ 20°C	:	1.44 ± .02
OH Value (mg KOH/g)	:	160 ± 10
Water Content (%)	:	0.25 ± 0.05

Iso: Endurance 9010
(Please refer to attached Datasheet)

<u>Recommended Mixing Ratio by weight:</u>	:	100 : 25 (4 : 1)
<u>Gel time @ 25°C sample size 200g</u>	:	20 – 30 mins

STORAGE RECOMMENDATIONS:

When mixed in quantities larger than a few kilograms, the pot life, while still in the mixing container, will be 10 – 15 minutes. If the mixture is spread immediately after mixing, a good bond will still be formed if the surfaces are clamped together within 30 minutes.

Endurance 7100 is best used between 15 – 25°C. Addition of even small amounts of catalyst will reduce the pot-life which will make the product very difficult to use.

HEALTH AND SAFETY ADVICE:

Under normal conditions of use and application of good industrial housekeeping / hygiene this product does not present a significant health hazard. Should the material be splashed on the skin, it should be removed with copious irrigation with clean water followed by washing with warm water and soap. Following eye contamination and copious irrigation with clean water to remove the material from the eyes, the person should be medically examined. Following ingestion, medical advice should be sought.

Also refer to the attached Material Safety Datasheet (MSDS) for handling isocyanates.