

Ecolink Products Group, Inc.
Environmentally Easy on the Earth
280 Nelson Street, Suite 226, Vancouver, BC V6B2E2
Phone: 604-270-0480 Fax: 604-270-0448
www.ecolinkgroup.com

ECO FOAM

LIQUID COMPONENT PROPERTIES

Specific Gravity >1.16 <1.22

* SI units for viscosity are equivalent to cps

REACTIVITY PROFILE

The following reactivity was obtained using a Gusmer Model H-II machine (machine temps 120°F/120°F R/I).

MIXING RATIO (by volume)	100
COMPONENT TEMPERATURES, °C	49
°F	120
CREAM TIME, seconds:	< 1
GEL TIME, seconds:	2.5 ± 0.5
RISE TIME, seconds:	6.0 ± 2
CORE DENSITY, pcf:	2.1 ± 0.1
kg/m ³ :	34 ± 2

Core density is based upon single passes 1.5" thick

TYPICAL PROPERTIES OF ECO FOAM

Physical properties were measured on core specimens taken from spray samples conditioned in accordance with ASTM D 618 (88 h at 23°C, 50 % RH).

APPARENT CORE DENSITY

ASTM D 1622	lb/ft	3 2.20
	kg/m ³	35.24

COMPRESSIVE STRENGTH @ 5% DEFLECTION

ASTM D 1621		
Parallel to rise	kPa	165
	psi	24

FLEXURAL STRENGTH

ASTM D 790	kPa	129
	psi	19

FLAME SPREAD INDEX*

ASTM E-84	Nominal Thickness	4 inches
	Flame Spread	25
	Smoke Density	350

*Numerical flame spread ratings are not intended to reflect hazards presented by this or any other material under actual fire conditions.

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MVSS 302 Pass

TYPICAL PROPERTIES OF ECO FOAM (continued)

SHEAR STRENGTH

ASTM C 273:	kPa	97
	Psi	14

THERMAL CONDUCTIVITY

ASTM C 518 After 2 d at 23°C	W/m·°C	0.024
	Btu·in/ft ² ·hr·°F	0.163

m²·°C/W: RSI values are based on specimens 25 ± 1mm nominal thickness.

[ft²·hr·°F/Btu]/in: Reports the traditional R value in Imperial units per inch thickness

DIMENSIONAL STABILITY

ASTM D 2126

Volume Change at:	
-20°F (-29°C) - 7 days %	-0.04
200°F (93°C) - 28 days %	-1.18
158°F (70°C), 97 ± 3% RH - 28 days %	0.11

STORAGE RECOMMENDATIONS

These materials must be stored in a dry location and away from sunlight and other sources of direct heat.

SHELF LIFE	6 months
TEMPERATURE	15 - 23°C (59 - 74°F)

HANDLING RECOMMENDATIONS

Avoid all contact with skin and eyes.
Do not inhale vapours.
Do not store in humid environment.
In case of minor spills, absorb using cat litter, sand or any other oil absorbing material. For more severe spills, contact any agency specializing in chemical damage control (i.e. CANUTEC, Tel: (613) 996-6666).
For more information please consult the MSDS

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WARNING

ECO Foam contains a polymeric isocyanate. Both the liquid and vapours can be hazardous. Proper precautionary measures should be taken in the handling and use of these materials.

ECO Foam should always be processed where there is adequate ventilation. Safety glasses and protective gloves are strongly recommended.

WARRANTY:

The technical data and any other printed information furnished by the **Ecolink Products Group, Inc.** is true and accurate to the best of our knowledge. **ECO WELD** conforms to in-house quality control procedures and should be considered free of defects. Due to the wide range of applications of this product, it is impossible to assume responsibility for any errors in regard to application, coverage, workmanship, over-spray or injuries resulting from the use of **ECO WELD**. The **Ecolink Products Group, Inc** makes no warranty, expressed or implied, of its products and shall not be liable for indirect or consequential damage in any event.