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Adhesive systems



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Technical Data – Penloc Multi-Fix

January 2006

PENLOC Multi-Fix is a single part moisture cure, structural adhesive, with high initial grab and fast through cure. Resultant bonds are tough, flexible, resistant to water, sea water, oils and most common solvents and temperatures between - 40°C to +150°C as well as UV light and aggressive environments. Penloc Multi-Fix has been specifically formulated to build high initial bond strength on a variety of complex substrates used in the manufacture, refurbishment and repair of Caravans, Motorhomes, Portable Buildings and Boats. Penloc Multi-Fix is non-hazardous, contains no free isocyanates, volatile organic compounds, acids or halogens. Penloc Multi-Fix does not shrink on curing.

TECHNICAL DATA

Form:	Smooth viscous paste
Storage Life:	6 months in original containers stored below 25°C
Solids Content:	100%
Specific Gravity:	1.60
Shrinkage on cure:	nil
Colour:	Off White
Base:	Hybrid Polymer System
Hazardous Ingredients:	Non-hazardous
Flammability:	Non-flammable
Application Temperature:	+5°C to +35°C
Temperature Range:	- 40°C to +150°C

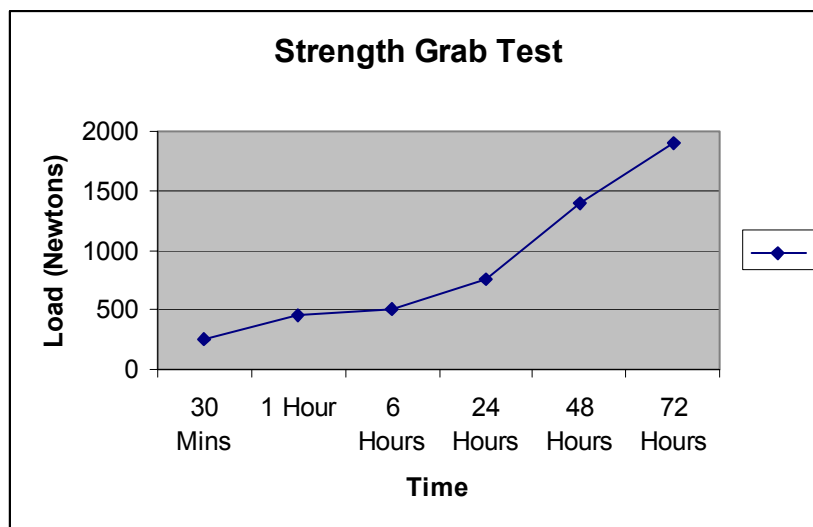
TECHNICAL DATA (Cont)

Skin Time:	30 mins at +23°C and 50% Rh
Cure Time:	3mm per 24 hours at +23°C and 50% Rh
Shore Hardness when cured:	40-45 shore A
Tensile strength	3.4 MPa / Nmm ²
Peel Test	Method ASTM C794
	Aluminium – 360 N.F
	Stainless Steel – 324 N.F
	Mild Steel – 356 N.F
	GRP – 346 N.F

SURFACE PREPARATION

Ensure that all surfaces are lightly abraded, clean and free from grease or loose particles. All surfaces should be cleaned and degreased by wiping with a suitable solvent. DO NOT use methylated spirit or white spirit.

NOTE: **Penloc Multi-Fix** should not be applied to surfaces or in conditions that are below +5°C. At these temperatures, like most other moisture curing or aqueous adhesives the curing mechanism is suspended.



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