

DUPLANK LVL SCAFFOLD BOARDS

The Premium LVL Scaffold Boards Range

DUPLANK LVL SCAFFOLD BOARDS

SAFE

RELIABLE

DURABLE


SUSTAINABLE

DUPLANK (or TOPplank) is a premium LVL Scaffold Board product supplied by Duscaff. The boards are manufactured by MLT Ltd; Europe's largest LVL producing facility.

DUPLANK is an engineered wood product with physical and mechanical properties surpassing solid timber, manufactured from premium European LVL (Laminated Veneer Lumber). The structural uniformity of LVL makes it the perfect solution for a safe, lightweight scaffold plank. Each DUPLANK is made by laminating thin veneers together which increases the reliability and strength of the product.

DUPLANK Specification

Section Size:	38mm x 225mm
Length:	0.50 – 6.0m
Unit Weight:	4.77kg/m
Surface finish:	Unsanded faces, arrised edges and square cut, painted sealed ends.
Embossed Branding:	

Product Code LVL-ULT-: TOPPLANK LVL 1.6E OSHA  PROOF TESTED SCAFFOLD PLK MADE IN RUSSIA MM/YY OF PRODUCTION

Quality Control and Structural Verification

DUPLANK is manufactured under the procedures of the VTT184/03 certificate and the EN 14374.

Each DUPLANK is individually proof tested to verify the strength of each plank exceeds the bending moment requirements for the working loads set out in the Live Load Duty Category Table 1 below.

Table 1. Scaffold Platform Duty Categories (as per AS/NZS 1576 & 1577)

Live Load Duty Category	Maximum Span (m)	Working Load Limit (WLL)
Light Duty	2.4	2.2kN (inc 1.2kN concentrated load)
Medium Duty	2.0	4.4kN (inc 1.5kN concentrated load)
Heavy Duty	1.8	6.6kN (inc 2.0kN concentrated load)

1kN is approximately 100kg.

DUPLANK Span and Load Tables

Table 2. Span table based on L/60 per OSHA requirements.

Single Span L/60 (millimeters)	
Load Condition	38 x 225mm DUPLANK
50 PSF	3200
75 PSF	2743
One Man Load	3190
Two Men Load	2591
Three Men Load	1829

Table 3. Load Table

Load Table		
Span mm	UDL	PL
	kN/m ²	kN
1,200	27.30	4.05
1,500	17.40	3.25
1,800	12.00	2.70

*L/60 deflection limit.
Applicable for single span and continuous planks.
UDL calculated with 3 load combinations.
PL calculated with 7 load combinations.
One PL allowed in each span.
UDL = uniformly distributed load.
PL = point load.*



Care, Storage and Maintenance

At the time of dispatch DUPLANK is suitable for use as a scaffold plank based upon meeting the requirements of OSHA, Standard 29 CFR 1926.451 (f) (1). To ensure that DUPLANK continues to perform safely, care in use and storage is essential.

Maintenance, entailing regular inspection and proof testing is necessary to ensure that planks reaching the end of their service life and no longer safe for use are detected and removed from service.

The following recommendations for care in use, storage and maintenance are provided to assist users to maximize service life whilst maintaining required levels of safety. These care, storage and maintenance recommendations are to be used as a guide only and are not intended to replace basic safety, storage and maintenance practices.

Avoid Damage

DUPLANK may be damaged and rendered unsafe by misuse. Based on examples of misuse that have been commonly observed, we recommend as follows:

- Do not use planks over spans and/or working load limit (WLL) greater than those recommended in Table 1 and Table 3.
- Do not drop DUPLANK from excessive heights.
- Do not drop heavy materials onto DUPLANK.
- Do not allow vehicles to drive over DUPLANK– do not use as crossover boards or duckboards for vehicles.
- Do not use DUPLANK as a saw bench – even shallow saw cuts reduce strength.
- Take precautions against slag burns from oxy cutting or welding.

DUPLANK that has been subjected to these or any other types of misuse may be damaged and should be tested to verify they remain fit for purpose. Note that fractures resulting from overload may not be readily apparent by inspection – proof testing may be the only means of detection.

Chemical Effects

DUPLANK will be largely unaffected by exposure to moderate strength acids or alkalis (pH range 2 to 10). Strong acids and alkalis will however attack the naturally occurring lignin which binds wood fiber and, in time, may cause a reduction in strength. For planks used in these environments regular proof testing is recommended.

Decay

Ordinarily, scaffold planks in service, installed upon scaffolding and subject to the normal wetting and drying from weather do not usually remain wet for protracted periods and in these circumstances decay is unlikely.

Typically where planks have decayed, the decay has resulted from wet planks being stored away closely stacked with little or no ventilation. Any circumstance in which planks remain constantly wet is likely to result in fungal decay.

Planks that show any evidence of fungal decay (such as mold on the surface etcetera) should be dried and tested for verification of strength before use.

The following recommendations for storage are made to reduce the likelihood of reduced service life due to decay.

Recommendations for storage

Wet planks

- Stack on level bearers well clear of the ground with spacers (stickers) between each layer
- Locate stack in a dry, well ventilated location and vertically align stickers with bearers
- Bearers shall be spaced such that the maximum design span and overhang are not exceeded
- A minimum of three bearers/stickers is recommended
- The stickers are to be sufficient thickness to allow circulation of air between planks.

Dry planks

- Store under cover – no special requirement.
- Store outside – stack as for wet planks. Cover to keep dry.

Maintenance

Regular inspection and strength testing is recommended. The frequency of testing depends upon the nature of use. Any plank subject to trauma or showing any obvious signs of misuse should be withdrawn from use pending verification of strength by proof testing.

Technical Support +44 20 3318 2509

For quick, clear product answers, our technical support phone line +44 20 3318 2509 links you to our expanded, engineering support team. Our experienced support team can assist with enquiries ranging from sizing and design to installation advice. It's fast, easy and it's free.



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SCAFFOLDING PRODUCTS

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