



## LION OIL TEMPERED™

### Introduction

**LION Oil Tempered™** is a hard fibreboard with a smooth face and a mesh pattern reverse. Compared to standard hardboard, **LION Oil Tempered™** has been tempered with bio-oil. Tempering with oil gives the board increased moisture resistance and higher bending strength values.

Some examples of end-uses: Roof underlays (**Lion Roofing™**), van and container linings, construction & protective structures, wall and ceiling linings, flooring underlays (**Lion Floor™**).

Suitable for both permanent structures and for temporary use.

### Specification

<b>Product identification code</b>	OTSA
<b>Thickness [mm]</b>	2,5 / 3 / 4,8 / 6
<b>Standard sizes [mm]</b>	1220 x 1830/2440/2745/3050
<b>Standard pallet sizes</b>	2,5 mm      150 sheets 3,0 mm      150 sheets 4,8 mm      75 sheets 6,0 mm      50 sheets
<b>Packing</b>	Disposable wooden pallet bottom Plastic bands

## Technical properties and performance

Property	Unit	Thickness		
		≤ 3,0 to 3,5 mm	> 3,5 to 5,5 mm	> 5,5 mm
Density	kg/m <sup>3</sup>	≥ 900		
Dimensional tolerances				
<i>Thickness</i>	mm	± 0,3 mm	± 0,5 mm	± 0,7 mm
<i>Width / length</i>	mm	± 2,0 mm/m, max ± 5 mm		
<i>Squareness</i>	mm/m	2,0 mm/m		
<i>Edge straightness</i>	mm/m	1,5 mm/m		
Bending strength	N/mm <sup>2</sup>	35	32	30
Internal bond	N/mm <sup>2</sup>	0,60	0,60	0,30
Swelling in thickness (24h)	%	25	20	20
Release of Formaldehyde	Class	E1		
Moisture content	%	4-9 %		

## Product standards

**EN 622-1** Fibreboards. Specifications. Part 1: General Requirements.

**EN 622-2** Fibreboards. Specifications. Part 2: Requirements for hardboards.

**EN 13986:2004+A1:2015** Wood based panels for construction. Characteristics, evaluation of conformity and marking  
*Type HB.H. General purpose board for use in humid conditions*

## Certificates



CE marked in accordance with requirements of EN 13986:2004+A1:2015 standard



The classification presents emission requirements for the building materials, fixture and furniture without padding or textile coverings used in ordinary work spaces and residences with respect to good indoor air quality. M1 stands for low emissions. [m1.rts.fi/en](http://m1.rts.fi/en)

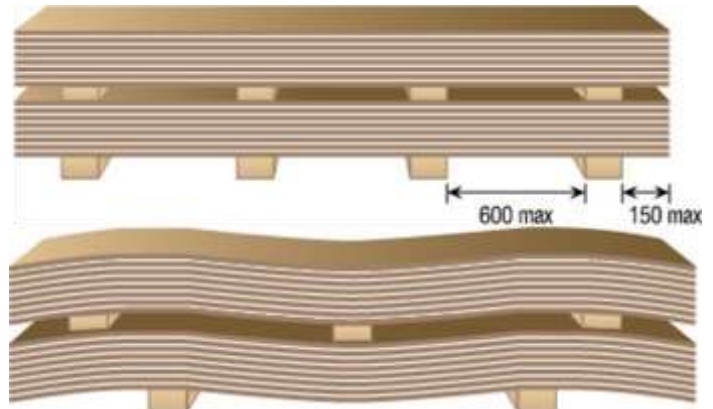


PEFC certificate: Promoting sustainable forest management

## Handling and Storage

Panels should preferably be stored in an enclosed dry building. Where temporary storage outside cannot be avoided, then stacks should be covered with waterproof but vapour permeable sheeting, keeping all panels on raised bearers to prevent contact with the ground, water or vegetation. Any protective wrapping should be kept in place as long as possible prior to conditioning for use.

Panels should be stacked flat on a level surface with all four edges flush. The ideal base is a close boarded or slatted pallet. If this is not possible the panels should be carefully stacked on battens of equal thickness at centres not exceeding 600 mm.



Stacking on edge should be avoided whenever possible. Where space will only permit edge stacking then the edges should not be permitted to come into direct contact with the floor to avoid possible moisture pick-up or damage to the edges.

Panels should not be leant against walls but supported by a braced, purpose made rack using thick (>18 mm) base and back panels.

## ATTACHMENTS

*Declaration of Performance No. FF2CPRHB.H*