

### 1. This Technical Advice Document applies to

- The transportation by road of narrow slab material ranging in size from:
 

Width:	800mm - 1970mm
Thickness:	230mm
Length:	6450mm - 9530mm

The lowest friction factor determined as per EN 12195-1:2010 Annex B.1.2 is  $\mu=0.6$  (Product-on-Anti Slip Matting).

### 2. Essential requirements

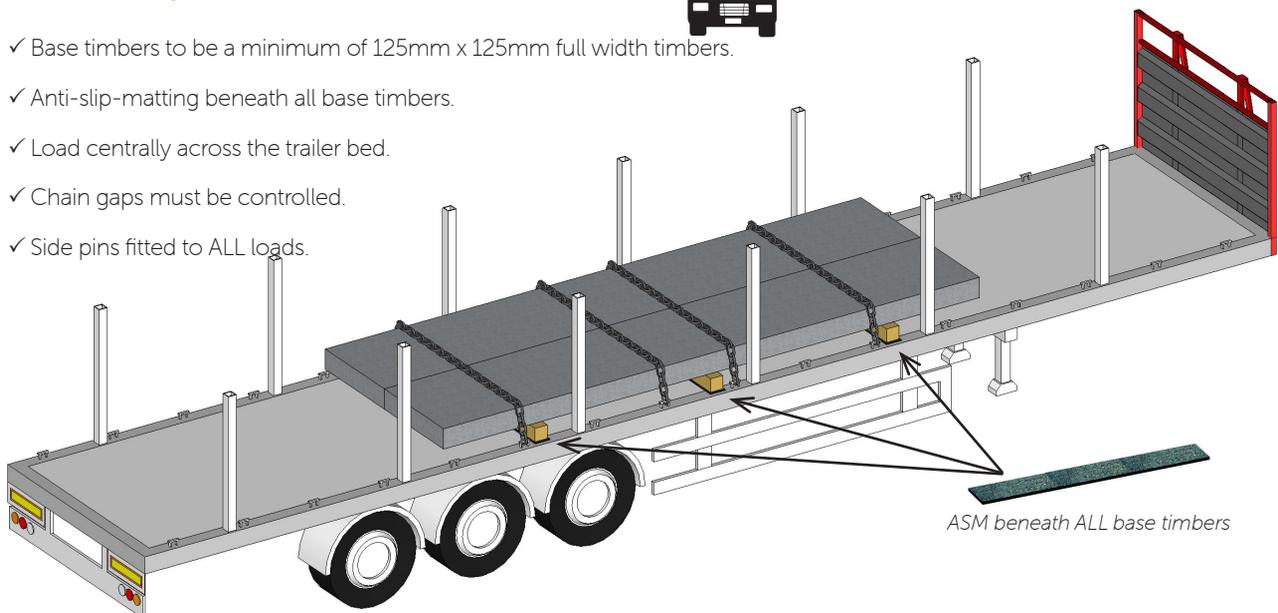
- Anti-slip-matting must be placed beneath all base timbers.
- A minimum of 3 off full width base timbers with a cross section of 125mm x 125mm.
- All restraints must be a minimum of 8mm LC 40kN Transport Chains (Grade 8) and must be compliant with EN 12195-3.
- Lashing points must be rated to match the restraints being used.
- Chain gaps must be controlled at all times.
- Side pins fitted for loading and unloading safety on all loads.
- Additional restraint measures must be added during Winter Weather Advisory Periods.

### 3. Load configuration and restraint

#### 3.1 Loaded away from the headboard



- ✓ Base timbers to be a minimum of 125mm x 125mm full width timbers.
- ✓ Anti-slip-matting beneath all base timbers.
- ✓ Load centrally across the trailer bed.
- ✓ Chain gaps must be controlled.
- ✓ Side pins fitted to ALL loads.



Example Load: 2 off 1100mm wide x 6450mm long loaded side-by-side

**Table 1: Minimum number of restraints for unblocked loads**

Load	8mm LC 40kN chains	10mm LC 63kN chains
Up to 16 t	3	2
16 to 22 t	4	3
22 to 28 t	5	4
Winter Weather guidance:	Anti-Slip-Matting on both sides of ALL timbers + 2 extra chains on ALL loads	

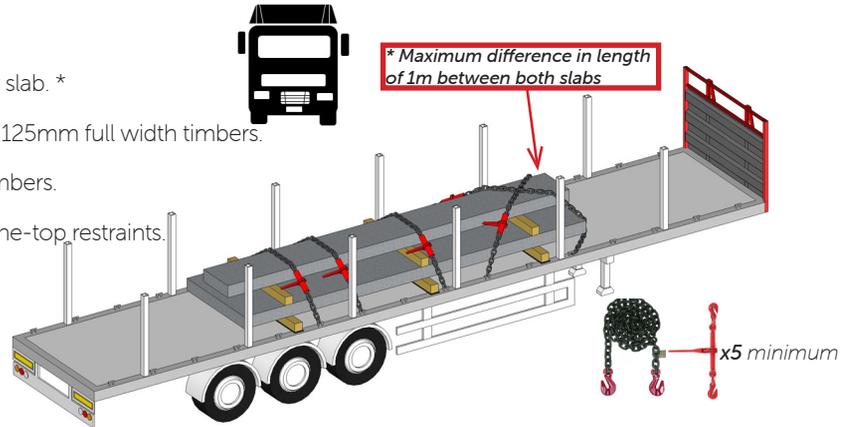
Minimum 8mm LC 40kN  
Transport Chain



This Technical Advice Document has been designed to meet the forces for road transport as stated in EN 12195-1:2010 and VDI 2700.

### 3.2 Layered loads

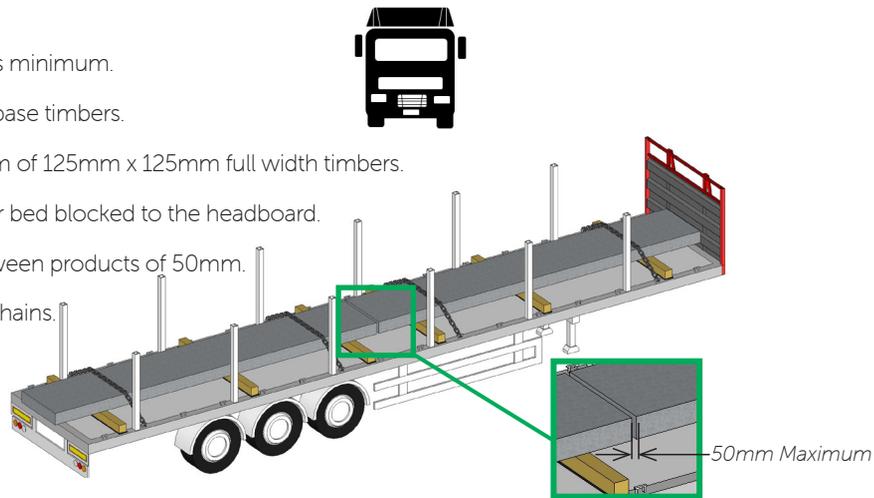
- ✓ Narrow slab to be loaded on top of wider slab. \*
- ✓ All timbers to be a minimum of 125mm x 125mm full width timbers.
- ✓ Anti-slip-matting only beneath all base timbers.
- ✓ Cross-over restraints as shown + 3 over-the-top restraints.
- ✓ Minimum of 8mm LC40 kN chains.
- ✓ Side pins fitted to ALL loads.



Example Load: 800mm wide x 6900mm loaded on a 1270mm wide x 6900mm slab

### 3.3 Blocked to the headboard

- ✓ Headboard rated to 10 tonnes minimum.
- ✓ Anti-slip-matting beneath all base timbers.
- ✓ Base timbers to be a minimum of 125mm x 125mm full width timbers.
- ✓ Load centrally along the trailer bed blocked to the headboard.
- ✓ Maximum allowable gap between products of 50mm.
- ✓ Minimum of 8mm LC40 kN chains.
- ✓ Side pins fitted to ALL loads.



Example Load: 2off 1100mm wide x 6900mm long blocked to the headboard loaded end-to-end

**Table 2: Minimum number of restraints for unblocked loads**

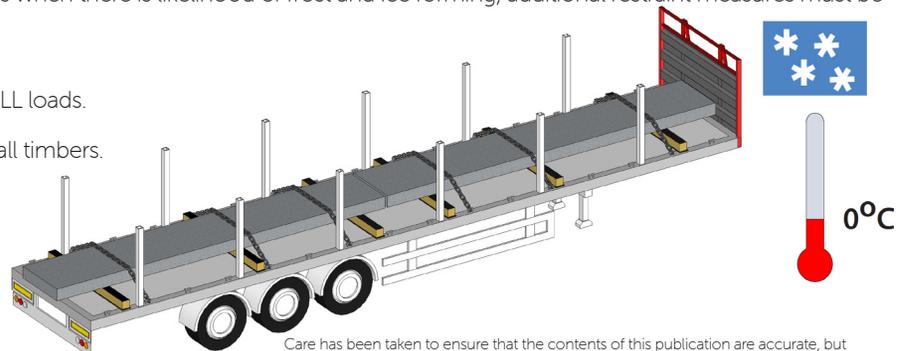
Load	8mm LC 40kN chains	10mm LC 63kN chains
Up to 28 t	4	4

Minimum of 2 restraints per material length

### 4 Winter weather advisory periods

During winter weather advisory periods when there is likelihood of frost and ice forming, additional restraint measures must be applied.

- ✓ Add 2 additional chain restraint on ALL loads.
- ✓ Anti-slip-matting on BOTH sides of all timbers.



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