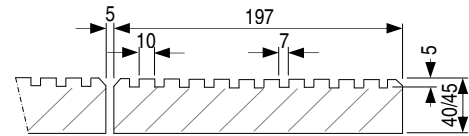


## BRIDGES ♦ BOARDWALKS ♦ JETTIES

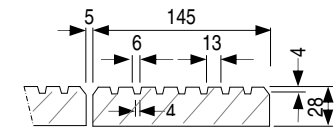
### DECKING ANTI-SLIP OPTIONS

Walking surfaces are usually formed from timber decking, which has a grooved slip resistant finish. This resistance can be enhanced by introducing either our factory fitted anti-slip GL Insert or our factory applied anti-slip GL Coating to the deck surface.

Anti-slip GL options are constructed from particles of aggregates embedded within a modified resin compound. When the compound is cured the resultant finish is a very hard wearing surface with high slip resistant characteristics, suitable for timber decks used in a multitude of locations.



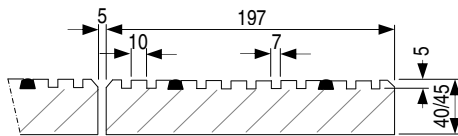
Deck boards with Grooved Surface



Deck boards – with Grooved Surface

### ANTI-SLIP GL INSERTS

Anti-slip GL Inserts are constructed by injecting the embedded resin compound into dovetail grooves, machined along the length of the decking. Typically, decking is supplied with 2 inserts per board but is available with 1 or 3, if required.



Deck boards – with Anti-Slip GL Inserts



### TYPICAL AGGREGATE SLIP RESISTANCE

A co-efficient of 65 is needed for a surface to be classed as having an extremely low risk of slip.

### TYPICAL GL INSERT CO-EFFICIENCY

Profile	Dry	Wet
■ 145 mm - 2 strips	84	61
■ 145 mm - 3 strips	93	75

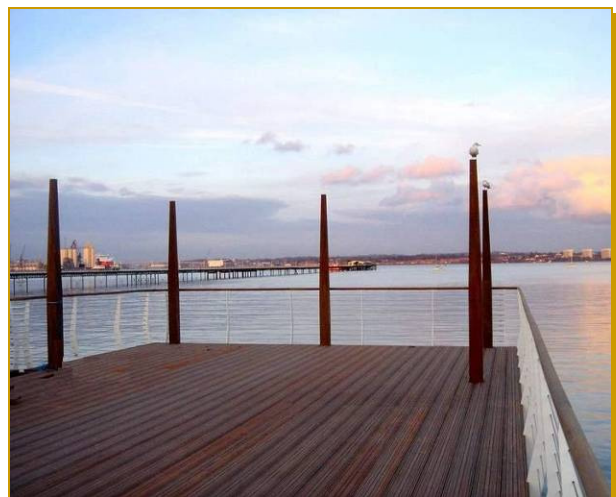
### TYPICAL DECK FIXING

40 mm thick decking

- 8 mm Ø x 90 mm long screws
- 8 mm Ø x 90 mm long dowels

28 mm thick decking

- 5 mm Ø x 60 mm long screws



## BRIDGES ♦ BOARDWALKS ♦ JETTIES

### GL COATING

The GL surface coating is based on an epoxy resin with a modified amine hardener. The Epoxy resin component gives the system its enormous bonding, compressive and tensile strength. Very fast curing can be obtained by using highly reactive hardeners. The GL surface coating is made highly anti-slip resistant by embedding mineral particles such as sand, granite, amaril or calcined bauxite.

### CHEMICAL RESISTANCE

The GL surface coating is, after total curing, absolutely resistant to e.g. water, petrol, oils, greases and de-icing chemicals.

### APPLICATION

The GL surface coating is an ideal anti-slip surface finish for timber bridge decks, approach ramps, boardwalks, jetties and certain concrete surfaces.

### PREPARATION

It is evident that the under-laying surface has to be treated before an abrasion resistant surface dressing can be applied:

- Timber sanding is possible
- Grit blasting is preferable (including new bridge decks).

### ONE COAT SYSTEM

The GL surface coating is a one-coat system. The coating must be immediately covered with a layer of abrasive resistant aggregate and after curing, surplus materials removed.

### CURING TIME

A curing time of 6 - 8 hours is typical for a GL surface coating at an ambient temperature of 25°C.

### ADVANTAGES

The advantages of a GL abrasive resistant coating can be summarized as follows:

- Excellent anti-slip properties.
- High mechanical strength.
- High abrasive resistance
- Excellent bonding to hardwoods
- Quick application, good chemical resistance
- Fast curing

