

# Technical Data Sheet

## FinnJoint™ FJ25S

### Armoured Construction Joint

#### DESCRIPTION

FinnJoint™ is a revolutionary product with many advantages over existing concrete armoured construction joints

It is **the only product** that can provide a seal from the time of concrete pouring.

**All other products** require resealing many times after pouring because of continual shrinkage within the concrete.

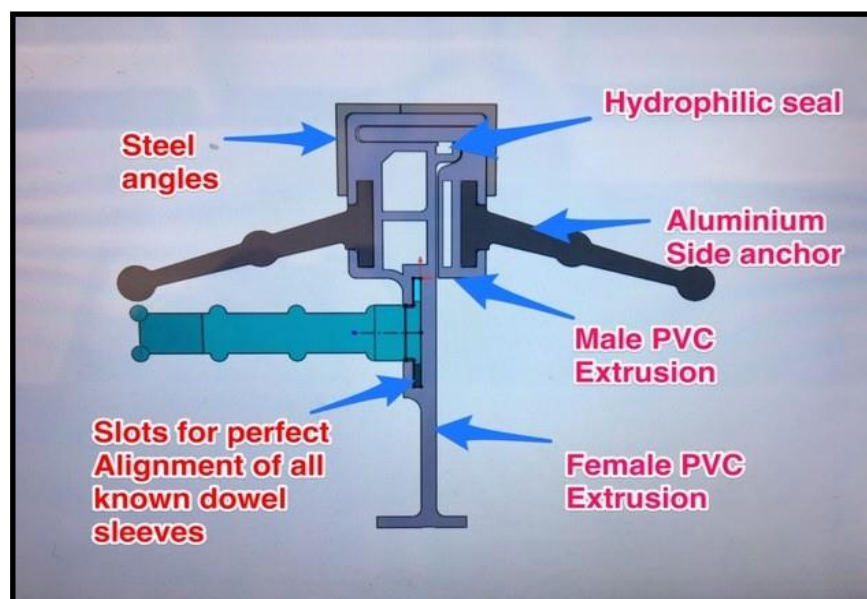
The FinnJoint™ FJ25S consists of 2 Rigid PVC extrusions including a hydrophilic rubber gate seal to form a divider plate.

At the top of PVC 2 steel angles are fitted using counter-sunk screws to form armoured edge protection to the joint system.

Aluminium side anchors are fitted at 300mm centres and triangular dowel sleeves at 450mm centres.

#### ADVANTAGES

- Instant joint seal against water.
- Designed and test proven to accommodate all known forklift traffic.
- Has been **designed and tested** for use in commercial warehouses and any other hardwearing areas.
- Easy to install.
- Can be used as a screed rail.
- Allows 50% Joint movement.
- Allows continuous pouring of slabs.
- Very High Resistance to Fuel and Chemicals.
- Dowels designed to accept up to 25mm longitudinal movement.



## PROPERTIES

Construction	
Material	Steel Angles 250 Grade
Seal Material	Hydrophilic Rubber
Side Anchors	6061-T6 Aluminium
Service life of Seal	Wet to dry cycles for 100 years
Operating Temperature Range	-34°C to 82°C
Divider Plate	Rigid PVC
PVC 2.9m long with routed holes for dowel plate at 450 centres.	
Steel Dowel is 110 x 110mm x 10mm manufactured from Steel to AS/NZS 3679.1 Grade 300. Dowel sleeve made from high density ABS Plastic with internal collapsable sides for up to 20mm of longitudinal movement.	

## INSTALLATION INSTRUCTIONS

Tools required: Hammer, Screws, Spirit Level, String Line and Stakes.

1. Using a string line for the FinnJoint, hammer in the star pickets below the height of the FinnJoint. Use a 25x50 pine timber block and screw the star picket through the block into the PVC.
2. Use a level on top of the FinnJoint and insert timber wedges if needed to achieve level
3. Slide the dowel sleeves with screws in the sleeves to their pre marked position and screw into the PVC
4. Slide the Aluminium side anchors to their marked positions and insert steel dowels.. eg 150 from each end and the others at 300 centres.
5. Once this side is poured remove stakes, blocks and slide anchors at 300 centres  
**NOTE:** In the initial setup, set the FJ25S with a dumpy level approx 2mm higher than required. Then before pouring hammer the stakes down to the correct level using a dumpy and a spirit level.

## DESIGN CRITERIA

It is recommended that adequate support is used when constructing the FinnJoint divider plate to prevent distortion of the FinnJoint™ FJ25S.

## FORMING INTERSECTIONS

**IMPORTANT:** As above but for all Forming Intersections always use a soft cut to standard lengths of FinnJoint where they form an intersection to allow the joint to open correctly on all sides of the T or + intersections. If small lengths of FinnJoint™ are used must have a minimum of 2 side anchors on each side.

## JOINT SPACING & LIMITATIONS

The slab size and joint spacing should be determined by an engineer. The FinnJoint™ FJ25S is designed to accept up to 25mm shrinkage.

## PRODUCT DISCLAIMER

We do not accept any liability directly or indirectly for any losses suffered from the use of this product regardless of any advice, specifications or information given in this document. This information is current at time of printing and may change without notice.