



CL – PANEL JOINT PJ-25

A HIGH PERFORMANCE NON-STRUCTURAL PVC PANEL JOINT

DESCRIPTION

CL – PANEL JOINT is a preformed expansion joint made from polyethylene foam with a polyvinylchloride cap at its top. It is used as a replacement of the conventional roof panel joint. The latter, which has a shallow depth of about 15mm, often gives rise to cracks in the topping panel due to thermal movement. On the other hand, CL-Panel Joint comes in various depths ranging from 30mm to 150mm to provide a through joint that can cater for large thermal movement. Another advantage of using this preformed expansion joint is that it can be laid at a larger grid of up to 3 metres instead of 1 metre, thereby saving time and labour. In addition, it has far greater life expectancy than the conventional bituminous joint which will break down under ultra-violet radiation. It is also a more economical alternative to the polyurethane sealant joints when comparing cost per unit area.

USES

- To alleviate cracks in topping concrete panel caused by thermal movement.
- To replace conventional bituminous and sealant joints.

FEATURES

- Highly durable polyvinylchloride expansion joint
- Provide a neat joint
- Highly resistance to most contaminants
- Maintenance free
- Saving in material and labour cost as opposed to conventional joint.

INSTALLATION

The positioning of the joints and the height of the concrete topping panel are marked by aligning strings across the area. With the strings as guides for its position and height, the preformed joints are laid and secured with mortar either partially or fully along the whole length of the joints. If the whole length of the joint were fully secured, it is recommended that a break in the mortar of about 150mm to allow rain water to flow out of the grids in the event of a heavy downpour prior to concrete casting. Ensure that the mortar covers half the depth of the PVC capping. Continuity of each individual joints can be achieved by using straight connectors whilst perpendicular joints are linked with cross connectors. Intermediate levelling pegs may be installed within the grids of the joints to achieve proper gradient. Allow the mortar to set before the commencement of concrete casting. During casting, it is recommended that the concrete is discharged at the centre of the grid and the concrete is then raked out towards the joints and troweled flash with the expansion joints with a wooden trowel. Before the final setting of the concrete, a power float machine may be used to achieve a smooth finish. White tape on top of the expansion joints shall be removed on the following day after the casting.

COVERAGE

- 2 metre grid – 1 metre length per square metre area
- 3 metre grid – 0.66 metre length per square metre area
- 4 metre grid – 0.5 metre length per square metre area
- 5 metre grid – 0.4 metre length per square metre area
- 6 metre grid – 0.33 metre length per square metre area

DIMENSION

25mm (W) x 40mm (D) x 1.5m (L)

Other depths can be supplied upon request.

PACKING

One lot comprises :

- 130 lengths x 1.5m PVC Capping
- 130 lengths x 1.5m Polyethylene foams
- 130 pieces straight connectors
- 91 pieces cross connectors



Marking out using strings



Positioning and securing of expansion joints on both sides with mortar



Expansion joints laid in grids with mortar



Casting of topping concrete after expansion joints are laid



Final finished product. White tape on top of the PVC capping may be removed.

022309

Disclaimer: Specification are subject to change without notification.

CLP since 1947
HQ/SINGAPORE : CLP INTERNATIONAL PTE LTD
CHIN LEONG CONSTRUCTION SYSTEMS PTE LTD
TEL : +65-2769 5633
FAX : +65-2769 5633
Email : chinleong@clp.com.sg

MALAYSIA: CLP CONSTRUCTION SYSTEMS SDN BHD
SELANGOR
TEL : +60-3-3176 5099
FAX : +60-3-3176 2797
Email : clp@clp.com.my

MALACCA
TEL : +60-6-263 1677
FAX : +60-6-263 1215

JOHOR
TEL : +60-7-252 5385
FAX : +60-7-252 5391

KEDAH
TEL : +60-4-489 3066
FAX : +60-4-489 1877

PERAK
TEL : +60-5-292 6986 / 6976
FAX : +60-5-292 6936

INDONESIA :
PT RANGALO CLP
TEL : +62-21-581 3951
FAX : +62-21-581 3950
Email : rangalo@cbn.net.id

PT-CLP INDONESIA
TEL : +62-21-2931 5121
FAX : +62-21-2931 5133 / 28
Email : info@clpindo.com

THAILAND:
CLPI (THAILAND) CO LTD
TEL : +66-2769 5633
FAX : +66-2769 5612
Email : clpi@ksc.th.com

VIETNAM :
CLPI VIETNAM CO LTD
TEL : +84-8-3526 1033
FAX : +84-8-3526 1032
Email : sales@clp.com.vn

TAIWAN :
SIHTACO CO LTD
TEL : +886-2-2791 8539
FAX : +886-2-8192 6248
Email : Alice.Lee@sihtaco.com.tw
Michael Ku@sihtaco.com.hk

HONG KONG :
CHIN LEONG INTERNATIONAL CO LTD
LAMERTON ASIA HOLDING LTD
TEL : +852-2542 2206
FAX : +852-2544 9563
Email : chinleong@chinleong.com.hk

CHINA:
LAMERTON CHEMICAL (SHANGHAI) CO LTD
SHANGHAI
TEL : +86-21-5830 7559
FAX : +86-21-6840 7408

ZHONG SHAN SOUTH ASIA CHEMICAL LTD
ZHONG SHAN
TEL : +86-760-8554 4111
FAX : +86-760-8554 4113