



Construction Joints & Bay Sizes

Lafarge Gyvlon screeds are suitable for application to most types of sub bases demonstrating an excellent degree of dimensional stability (max shrinkage/expansion on drying of 0.02%) when compared to traditional sand cement based screeds.

MAXIMUM BAY LENGTH

Floating on Insulation	Nominal 30m
Unbonded on Polythene/Visqueen	Nominal 30m (max 40m)
Bonded	Nominal 30m (max 40m)
Underfloor Heating	Maximum of 20m

Recommended maximum bay lengths for Lafarge Gyvlon screed without the introduction of joints

MAXIMUM BAY SIZES

Floating on Insulation	1000m²
Unbonded on Polythene/Visqueen	1000m²
Bonded	1000m²
Underfloor Heating	300m²

Recommended maximum bay size for Lafarge Gyvlon screed without the introduction of joints

JOINT MOVEMENTS

The edge strip recommended for use with Gyvlon screeds is generally 8-10mm foamed polyethylene with an attached polythene skirt, this thickness relates directly to the maximum allowable positive movement within the screed.



It is recommended that very large pours of floating or unbonded construction with a dimension >30m but <40m without a break such as a dividing wall should include a bay joint of compressible material such as Flexcellor Ethafoam.

Alternatively, on hardening a saw cut to the full depth of the screed can be included to form the day joint.

As with all types of screed a joint must be formed above all structural movement joints.

Issue 2—Revision 0—01-12-10

Lafarge Gyvlon Limited

Unit 221 Europa Boulevard,
Westbrook, Warrington WA5 7TN

sales@gyvlon.co.uk
01925 428780



www.gyvlon.co.uk



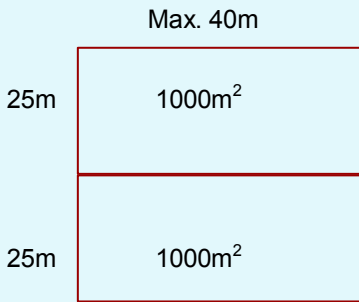
greenspec®



Construction Joints & Bay Sizes

JOINT MOVEMENTS

On larger pours the following guidelines may be of use when considering the layout of any day-work or bay joints during screed placement.



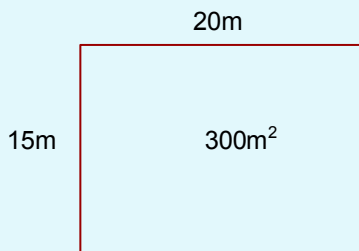
NORMAL SCREEDING CONDITIONS

A bay joint is required at this position as the total screed area is in excess of 1000m²

Note: if construction joints are present in the base then additional jointing will be necessary

SCREEDING CORRIDORS

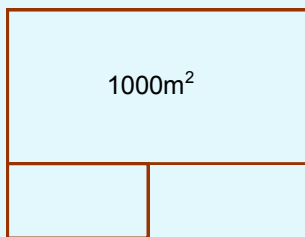
In areas with large aspect ratios, such as corridors Lafarge Gyvlon recommend a maximum bay length of 40m before installation of a construction joint.



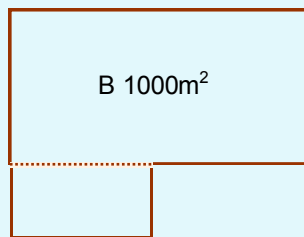
UNDERFLOOR HEATING

Lafarge Gyvlon recommends that the maximum bay size when used in conjunction with for underfloor heating is 300m². Underfloor Heating manufacturers have their own guidelines for the positioning of movement joints within the screed; however it is important to note that a joint should be present between two independent heating circuits to allow for thermal movement within the screed and differential temperature gradients.

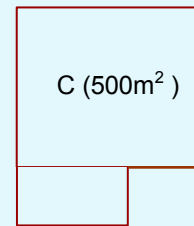
It is also necessary to note that the shape of the room can also affect the requirements for bay joints. The following guidelines highlight our recommendations with regards to placement of joints in relation to the shape of the room and area screeded



No joint required as the proportional section is the main bay and the corner reflects into the main bay



Joint required as the corner reflects outwards



No joint required unless specified as a construction or day joint