

## TECHNICAL REPORT

TSR0919 COMPRESSION TESTING OF PREPRUFE® 300 AT 1 N/MM<sup>2</sup>

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## Background

A request was received to determine the performance of Preprufe® 300 under an imposed load of 1 N/mm<sup>2</sup> ( $\approx$ 100 tonnes/m<sup>2</sup>).

## Experimental Details

A sample of Preprufe® 300 was placed on a concrete block and a 10 kN load applied through a 100 mm square dolly. After 64 hours the load was removed and the thickness of the Preprufe® 300 measured across the compressed area. The measured thickness was compared with the thickness of the uncompressed area of the sample.

## Results

The percentage change in thickness of the Preprufe® 300 is represented in Figure 1. The compression values vary between 0% and 2%, with the majority of the compressed area showing a 1% reduction in thickness. It is apparent that under these test conditions some extrusion of the adhesive has occurred past the edges of the dolly. Under normal installation conditions the Preprufe® 300 is confined and no extrusion would be expected.

## Conclusion

Under a load of 1 N/mm<sup>2</sup> Preprufe® 300 compresses by between 0% and 1%.

FIGURE 1: TSR0919 PERCENTAGE CHANGE OF PREPRUF® 300 UNDER A LOAD OF 1 N/MM<sup>2</sup>

**TSR0919 Preprufe 300 on Concrete under a load of 1N/mm2**

