

MASONS UNI FLEXIBLE AIR BARRIER (UNI) UV EXPOSURE



MASONS
Designed Smart, Built Tough.

V2.0 February 2024

DESCRIPTION

UNI® is a three-layer flexible wall underlay. It is manufactured by thermally bonding outer spunbonded layers to an inner layer of microporous polypropylene film.

UNI® and VHP Ultra 180 are the same product, that is they are both manufactured from an inner microporous film layer of PP/PE sandwiched between two layers of Spunbonded non-woven polypropylene.

VHP Ultra 180 has been subjected to 90 day exposure at Allunga Exposure Laboratory and this information applies equally to UNI®.

No of days exposure	90
Total calculated solar radiation MJ/m ²	1575
Estimated UV radiation (degradation) MJ/m ²	78.75
% retained of tensile strength md/cd	93/92.9
% retained of edge tear strength md/cd	91.3/90

For UNI this would result in a diminution in mechanical strength of <15% as allowed for in NZS 2295.

Property	Value
Resistance to tearing MD	210 N
Resistance to tearing CD	290 N
Resistance to tearing MD post UV exposure	195 N
Resistance to tearing CD post UV exposure	269 N
Tensile strength MD	330 N
Tensile strength CD	230 N
Tensile strength MD post UV exposure	301 N
Tensile strength CD post UV exposure	207 N

REFERENCES

- › Allunga Exposure Laboratory. [10/06/202] 45° North Open Exposure. Ref no. 20C12YU4-5
- › Scion [07/2020]. *Evaluation of Roof VHP Ultra to NZS 2295*. Report No. J31991 / QT8222VHPU
- › TBB [09/2021]. *Masons UNI Standard's Comparison Report V1.0*

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