



DECLARATION OF PERFORMANCE – Structureseal

1. Identification code: **Reinforced Geo-Composite Layer consisting of a woven and non-woven geotextile needle punched together to encapsulate a layer of natural Wyoming sodium bentonite.**
2. Serial number: **Structureseal**
3. Intended use: **Typically used for below ground vertical and horizontal structural foundation surfaces. General applications include backfilled reinforced concrete walls, slabs and boundary line construction.**
4. Manufacturer: **RIW Limited, ARC House, Terrace Road South, Binfield, RG42 4PZ**
5. Authorised representative: **Not applicable**
6. Assessment and verification of constancy of performance: **System 2+**
7. Relevant harmonised standard: **EN 13491, EN 13492, EN 13493, EN 13361, EN 13362, & EN 15382**

Factory Production Control Certificate Number 0086-CPR-601290

8. European Technical Assessment: **Not applicable**
9. Declared performance

Essential Characteristics	Performance	Tolerance/*Standard Stated Minimum Value
Tensile Strength	MD ¹ 9.7 kN/m	-2.7 kN/m
CBR puncture	2.1 kN	-0.6 kN
Liquid Tightness	$1.9 \times 10^{-9} \text{ m}^3/\text{m}^2/\text{s}$	$+ 0.1 \times 10^{-9} \text{ m}^3/\text{m}^2/\text{s}$
Oxidation ² for <u>Woven</u> Geotextile: % Retained Strength	MD 98.0%	*75% minimum
Oxidation ² for <u>Non-Woven</u> Geotextile: % Retained Strength	MD 96.3%	*75% minimum

Standard	Intended uses – Fluid Barrier
Annex ZA of:	
EN 13491	Geosynthetic barriers – Characteristics required for use as a fluid barrier in the construction of tunnels and underground structures.
EN 15382	Geosynthetic barriers – Characteristics required for use in transportation infrastructure.

Specific Technical Documentation: **Not applicable**

10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

Martin Radford (Business Manager)



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