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## Declaration of performance - Danelaw LR180

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No. 002HDL2017-03-01 REV02 06/2019

1. Unique identification of the product-type:

**Danelaw LR180**

2. Intended use/es:

**Flexible sheets for waterproofing-underlays for discontinuous roofing and underlay wall cladding.**

3. Manufacturer:

**Hambleside Danelaw Ltd  
Long March  
Daventry  
Northamptonshire  
NN11 4NR**

**techelp@hambleside-danelaw.co.uk  
www.hambleside-danelaw.co.uk**

4. System/s of AVCP:

**System 3**

5. Notified testing laboratory:

**No. 1454**

6. Harmonised standard:

**EN 13859-1 and 2:2010**

7. Declared performance:

| Essential characteristics                   |                          | Performance         |                   | Harmonised technical specification |
|---|--------------------------|---------------------|-------------------|------------------------------------|
|   |                          | Result              |                   |                                    |
| Reaction to fire [class]                    |                          | E                   |                   | EN 13859-1:2010<br>EN 13859-2:2010 |
| Dangerous substances                        |                          | none                |                   |                                    |
| Flexibility at low temperatures [°C]        |                          | -40                 |                   |                                    |
| Water vapour transmission properties Sd [m] |                          | 0.02                |                   |                                    |
| Resistance to water penetration [class]     | Before artificial ageing | W1                  |                   |                                    |
|   | After artificial ageing  | W1                  |                   |                                    |
| Tensile strength [N/50mm]                   |                          | <b>Longitudinal</b> | <b>Transverse</b> |                                    |
|   | Before artificial ageing | 460 (+/-50)         | 250 (+/-50)       |                                    |
|   | After artificial ageing  | 420 (+/-40)         | 225 (+/-20)       |                                    |
| Elongation [%]                              |                          | <b>Longitudinal</b> | <b>Transverse</b> |                                    |
|   | Before artificial ageing | 75 (+/-20)          | 90 (+/-20)        |                                    |
|   | After artificial ageing  | 55 (+/-40)          | 65 (+/-40)        |                                    |
| Resistance to tearing [class]               |                          | <b>Longitudinal</b> | <b>Transverse</b> |                                    |
|   |                          | 170 (+/-45)         | 215 (+/-55)       |                                    |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

**Signed for and on behalf of the manufacturer by:**

John Godley - Technical Manager



**03.06.2019**

Date of issue

Signature

At place: Hambleside Danelaw Ltd. Daventry NN11 4NR