

DECLARATION OF PERFORMANCE

No.: **EU-DoP-LMPro-2016-1**

1. **Unique identification code of the product-type:** Landmark™ Pro
2. **Intended use / uses:** Water-shedding element on walls, ceilings, soffits, and pitched roofs and as a protective covering to the wall structure, ceiling structure or roof deck from weathering elements such as rain, snow, ice, windborne dust, UV radiation and other matters. The bitumen shingles are designed for inclined roofing on roof slopes greater than 9,5°. Low-slope applications (9,5° to 18,5°) require additional underlayment. Roof surfaces are not accessible without protection and security assessment. The product is not assessed for slipperiness.
3. **Manufacturer:** CertainTeed Corporation
20 Moores Road, Malvern, PA 19355 USA
4. **Authorized representative:** not relevant
5. **System/s of AVCP:** 4
- 6a. **Harmonized standard:** not relevant
Notified body/ies: not relevant
- 6b. **European Assessment Document:** 220020-00-0402
European Technical Assessment: 16/0027, 15/02/2016
Technical Assessment Body: Technický a skúšobný ústav stavebný, n. o.
Notified Body/ies: not relevant
7. **Declared performance/s:**

Essential characteristics	Performance
Reaction to fire	Class F
External fire performance	Class F _{ROOF}
Content and/or release of dangerous substances	The product does not contain/release dangerous substances specified in TR 034
Water permeability of the roof covering <ul style="list-style-type: none"> – Mass of bitumen – Geometric properties <ul style="list-style-type: none"> ○ Width ○ Height ○ Straightness ○ Squareness 	$1466 \pm 150 \text{ g/m}^2$ (<1500 g/m ²) $983 \pm 3 \text{ mm}$ $336 \pm 3 \text{ mm}$ $-2,0 < e < 2,0$ $d < 2$
Durability of water permeability (of the roof covering): <ul style="list-style-type: none"> ○ Flow resistance at elevated temperature ○ Adhesion of mineral granules and flakes of slate ○ Water absorption 	$\leq 2 \text{ mm}$ $\leq 2,5 \text{ g}$ $< 2\%$
Resistance to blistering (freeze/thaw resistance)	No surface defects or cracks
Packaging	Underside surfacing shall be such that the shingles may be removed individually from their packaging without being damaged. Free of visible defects.

Essential characteristics	Performance
Mechanical resistance: <ul style="list-style-type: none"> ○ Tensile strength (width) ○ Tensile strength (height) ○ Nail shank tear resistance 	<ul style="list-style-type: none"> <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 100 N
Durability of mechanical resistance <ul style="list-style-type: none"> – Resistance to UV radiation <ul style="list-style-type: none"> ○ Tensile strength (in the direction of the shingle height) ○ Tensile strength (in the direction of the shingle width) ○ Nail shank tear resistance – Resistance to heat aging <ul style="list-style-type: none"> ○ Flow resistance at elevated temperature- ○ Adhesion of mineral granules and flakes of slate ○ Tensile strength (in the direction of the shingle height) ○ Tensile strength (in the direction of the shingle width) ○ Nail shank tear resistance 	<ul style="list-style-type: none"> <li style="text-align: right;">No cracking or fissuring <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 100 N <li style="text-align: right;">≤ 2 mm <li style="text-align: right;">≤ 2,5 g <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 400 N/50 mm <li style="text-align: right;">≥ 100 N

8. **Appropriate Technical Documentation and/or Specific Technical Documentation:** not relevant

Signed for and on behalf of the manufacturer by: Kermit Stahl, Director

At: Malvern, PA

Signature: _____ 

Date: 25 April 2016