

DECLARATION OF PERFORMANCE

No.: **EU-DoP-GM-2014-2**

1. **Unique identification code of the product-type:** Grand Manor®, Type 4 X 2
2. **Intended use / uses:** Bitumen shingles for roof and external wall covering. 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.
3. **Manufacturer:** CertainTeed Corporation
20 Moores Road, Malvern PA 19355 USA
4. **Authorized representative:** not relevant
5. **System/s of AVCP:** 3,4
- 6a. **Harmonized standard:** EN 544:2011
Notified body/ies: Notified testing laboratory FIRES, s r.o., Notified Body No. 1396
(for reaction to fire)
- 6b. **Technical Assessment Body:** not relevant
7. **Declared performance/s:**

Essential characteristics	Performance
Mechanical resistance: - tensile strength (width) - tensile strength (height) - nail shank tear resistance	≥ 600 N/50 mm ≥ 400 N/50 mm ≥ 100 N
Reaction to fire	Class E
External fire performance	Class F _{ROOF}
Water permeability - mass of bitumen	≥ 1500 g/m ²
Dimensional variation - Width <i>W</i> - Height <i>H</i>	457,2 ± 3 mm 914,4 ± 3 mm
Durability of mechanical resistance - Resistance to UV radiation	no cracking or fissuring
Durability of water permeability - flow resistance at elevated temperature - adhesion of granules - water absorption	≤ 2 mm ≤ 2,5 g < 2%

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