DECLARATION OF PERFORMANCE
No.: **0052-CPR-AS-2016**

1. **Unique identification code of the product-type:** Three-Tab Low Bitumen Mass Shingles with Mineral Mineral Reinforcement SUPREME®AR

2. **Intended use /es:** The shingle Supreme®AR is intended to act as a water-shedding element on pitched roofs and as a protective covering to the roof deck from weathering elements such as rain, snow, ice, windborne dust, UV radiation and other matters. The minimum pitch of the underlying surface to which the product should be applied is 9,5º and the maximum pitch is 60º when installed in accordance with the manufacturer's installation instructions.

3. **Manufacturer:** Owens Corning Roofing and Asphalt, LLC, One Owens Corning Parkway, Toledo, Ohio 43659, USA

4. **Authorized representative:** not relevant

5. **System/s of AVCP:** 3

6a. **Harmonized standard:** not relevant
Notified body/ies: not relevant

6b. **European Assessment Document:** 220020-00-0402
European Technical Assessment: 16/0345, 29/7/2016
Technical assessment body: Technický a skúšobný ústav stavebný, n. o.
Notified body/ies: Notified testing laboratory Centrum stavebniho inzenyrstvi a. s., Praha, Czech Republic,, Notified body No. 1390 (for reaction to fire)
Notified testing laboratory PAVUS, Praha, Czech Republic,, Notified body No. 1391 (for external fire performance)

7. **Declared performance/s**:

Essential characteristics	Performance
Reaction to fire	Class E
External fire performance	Class B_{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 – Mass of bitumen – Geometric properties o Width o Height o Straightness o Squareness	 928 ± 150 g/m^2 (<1300 g/m²) 915 ± 3 mm 305 ± 3 mm -2,0 < e < 2,0 d < 2
Durability of water permeability (of the roof covering): o Flow resistance at elevated temperature o Adhesion of mineral granules and flakes of slate o Water absorption	 ≤ 2 mm ≤ 2,5 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.

Essential characteristics	Performance
	Free of visible defects.
Mechanical resistance: ○ Tensile strength (width) ○ Tensile strength (height) ○ Nail shank tear resistance	 ≥ 400 N/50 mm ≥ 400 N/50 mm ≥ 100 N
Durability of mechanical resistance – Resistance to UV radiation ○ 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 ○ 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	 No cracking or fissuring ≥ 400 N/50 mm ≥ 400 N/50 mm ≥ 100 N ≤ 2 mm ≤ 2,5 g ≥ 400 N/50 mm ≥ 400 N/50 mm ≥ 100 N

8. **Appropriate Technical Documentation and/or Specific Technical Documentation:** not relevant
The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued, in accordance with Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Place and date of issue:
Granville, OH, 4th Day of August, 2016

Signed for and on behalf of the manufacturer:

Greg Keeler - Technical Services Manager