

P Hennessy & Co. Ltd Sheastown , Co. Kilkenny

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DECLARATION OF PERFORMANCE



0050

P Hennessy & Co. Ltd
Sheastown , Co. Kilkenny

17
0050-CPR...

1. Unique identification code of the product type:

Aggregates for Unbound & Hydraulically Bound Material

2. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer:

Aggregates for Unbound and Hydraulically Bound materials for use in Civil Engineering and Road Construction

"UNBOUND GRANULAR FILL (HARDCORE) FOR USE UNDER CONCRETE FLOORS AND FOOTPATHS"

T0 Struc 0/125mm

T1 Struc 0/31.5mm

T2 Perm 4/40mm

T3 Blind 0/4mm

3. Name, registered trade name or registered trade mark and contact address of the manufacturer:

P Hennessy & Co. Ltd

Sheastown, Co Kilkenny.

4. System of assessment and verification of constancy of performance:

System 2+

5. Standard applied to verification testing:

EN 13242:2002: Aggregates for Unbound and Hydraulically Bound materials for use in Civil Engineering and Road Construction
 S.R.21:2014 + A1 2016 Guidance on the use of EN 13242 + A1 2007 Aggregates for Unbound and Hydraulically Bound materials for use in Civil Engineering and Road Construction.

6. Declared performance:

Declared performance:

Geometrical properties:

T0 Struc unbound granular fill for use under concrete floors and footpaths

| | | | | | | | | |
|----------------------|----------------|--|------------------|-----------------|-----------------|------------------|---------------|------------------|
| Gradings to EN 933-1 | | Target Percentage passing by mass | | | | | | |
| Category | 200mm (100) | 125mm (98-100) | 100mm (75-99) | 40mm (55-85) | 10mm (15-45) | 6.3mm (10-35) | 1mm (5-20) | 0.063mm (0-7) |

T1 Struc unbound granular fill for use under concrete floors and footpaths

| | | | | | | | | | |
|----------------------|---------------|--|-----------------|----------------|----------------|----------------|----------------|-----------------|------------------|
| Gradings to EN 933-1 | | Target Percentage passing by mass | | | | | | | |
| Category | 63mm (100) | 31.5mm (80-99) | 16mm (55-85) | 8mm (35-65) | 4mm (22-50) | 2mm (15-40) | 1mm (10-35) | 0.5mm (0-20) | 0.063mm (0-7) |

T2 Perm unbound granular fill for use under concrete floors and footpaths

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|-----------------------|--|--|------------------|-----------------|---------------|--------------|
| Gradings to EN 933-1: | | Target Percentage passing by mass | | | | |
| Category | | 80mm (100) | 63mm (98-100) | 40mm (80-99) | 2mm (0-20) | 2mm (0-5) |

T3 Blind unbound granular fill for use under concrete floors and footpaths

| | | | | | | |
|-----------------------|--|--|-------------------|----------------|------------|------------|
| Gradings to EN 933-1: | | Target Percentage passing by mass | | | | |
| Category | | 8mm (100) | 6.3mm (98-100) | 4mm (80-99) | 2mm (-) | 1mm (-) |

**Harmonised
European
Standard**

| Characteristics | Performance Declared Value / Category | |
|--|---|-----------------------------------|
| Resistance to Wear to EN 1097-1 (micro-Deval coefficient) | NR | |
| Resistance to Fragmentation to EN 1097-2 (Los Angeles coefficient) | LA25 | |
| Particle Density & Water Absorption to EN 1097-6 | Apparent Density: 2.70Mg/m ³ S.S. Dry Density: 2.63 Mg/m ³ Oven dry Density: 2.59 Mg/r Water Absorption: 1.6 | EN 13042 |
| Flakiness Index | 14 | |
| Liquid Limit | 20 | |
| Chemical properties: | | |
| Chlorides – to clause 7) | <0.001% | |
| Acid Soluble Sulphate - to clause 12 | ASS = < 0.2% | Chemical properties: EN 1774-1 |

| | | |
|------------------------------|------------|--|
| Total Sulphur - to clause 11 | TS = <0.1% | |
| Water Soluble Sulphate | WS = <0.1% | |
| Magnesium Sulphate | 15 | |

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| <i>Brendan Murphy</i> | Title: Quality Laboratory | Date: Issued: October 2017 Rev 3 |
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P Hennessy & Co.