



DECLARATION OF PERFORMANCE

No. 2016-1

1. **Unique product name:** Spherastek
2. **Purpose of use:** Drop on road marking glass beads
3. **Manufacturer:** Donroad GmbH
Industriestr. 2
07546 Gera
4. **Authorized representative:** n/a
5. **System of assessment and verification of performance:**
System 1
6. a) **Harmonized standard:** EN 1423:2012 + AC:2013

Notified body: NB 0913 - Prüf-, Überwachungs- und Zertifizierungsgemeinschaft der Straßenausstatter (StrAus-Zert)

7. Declared performances:

- | | |
|---|-----------------|
| • Refractive index | Class A |
| • Max. weighed proportionally
Flawed beads | approved |
| • Size distribution | see attachement |
| • Dangerous goods | Class 1 |
| • Resistance against chemicals | approved |

The performance of the goods in this document corresponds to the declared performance. The producer named above is responsible for the content of this declaration of performance due to the Regulation (EU) No. 305/2011.

In terms of any legal claim, the German version of this document is valid!



ATTACHEMENT TO THE DECLARATION OF PERFORMANCE No. 2016-1

Size distribution of glass beads:

1. Road marking glass beads, Grade 63-212 microns

Upper sieve	212 µm	Sieve [µm]	250 µm	212 µm	180 µm	106 µm	63 µm
Lower sieve	63 µm	Retained weight [%]	0 - 2	0 - 10	0 - 25	45 - 85	95 - 100

2. Road marking glass beads, Grade 100-200 microns

Upper sieve	200 µm	Sieve [µm]	250 µm	200 µm	150 µm	100 µm
Lower sieve	100 µm	Retained weight [%]	0 - 2	0 - 10	40 - 80	95 - 100

3. Road marking glass beads, Grade 106-600 microns

Upper sieve	600 µm	Sieve [µm]	850 µm	600 µm	425 µm	250 µm	180 µm	106 µm
Lower sieve	106 µm	Retained weight [%]	0 - 2	0 - 10	5 - 45	55 - 95	80 - 100	95 - 100

4. Road marking glass beads, Grade 125-850 microns

Upper sieve	850 µm	Sieve [µm]	1,0 mm	850 µm	710 µm	600 µm	355 µm	212 µm	125 µm
Lower sieve	125 µm	Retained weight [%]	0 - 2	0 - 10	5 - 35	15 - 55	50 - 90	85 - 98	95 - 100

5. Road marking glass beads, Grade 180-850 microns

Upper sieve	850 µm	Sieve [µm]	1,0 mm	850 µm	600 µm	425 µm	300 µm	180 µm
Lower sieve	180 µm	Retained weight [%]	0 - 2	0 - 10	15 - 30	30 - 70	70 - 90	95 - 100

6. Road marking glass beads, Grade 425-850 microns

Upper sieve	850 µm	Sieve [µm]	1,0 mm	850 µm	710 µm	425 µm
Lower sieve	425 µm	Retained weight [%]	0 - 2	0 - 10	40 - 80	95 - 100

7. Road marking glass beads, Grade 700-1100 microns

Upper sieve	1,18 mm	Sieve [µm]	1,4 mm	1,18 mm	710 µm
Lower sieve	710 µm	Retained weight [%]	0 - 2	0 - 10	95 - 100