
Technical Datasheet TRAFFIgrIP ELC

Highly decorative, functional abrasive resistant artificial diamond electrocorund granulate. With polyurethane coloured for functional and decorative purposes on roads to increase grip and traffic safety.

Product description:

TRAFFIgrIP ELC is a coloured electrocorund granulate for use with polymers. Coloured in an industrial process with an excellent high grade UV resistant Polyurethane binder, ready and easy to work, to scatter on polymer binders like epoxy, PMMA or polyurethane resin systems. The product combines unique UV resistant colours with excellent technical properties under traffic loads. And meets the highest demands which can be expected in case of reproduction.

General information and description

For the manufacturing of our products only the high grade organic and an-organic pigments are used. This combined with the best suitable binder for your application guarantees the highest quality and best functionality.

Product features / benefits:

- **Extremely high resistance against abrasive loads in traffic**
 - **Coloured with 100% UV resistant Polyurethane**
 - **Better grip on traffic safety**
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Applications:

TRAFFIgrIP ELC can be used as a non-slip layer which will be scattered in a fresh polymer layer.

Also can the layer be washed after scattering and give a more smooth top surface.

The ultra high quality standard of the end-product depends on formulating of the systems, application procedures, the environment of use and the application itself.

For example,

- Roads in factory buildings, warehouses, hangars and workshops.
- Outdoor traffic circumstances, like park decks, roads, bicycle and/or pedestrian roads and paths.
- Driving ramps for loading docks or park decks.



TRAFFIgrip ELC

Product data:

Name: -TRAFFIgrip ELC
EINECS-nr.: -215-691-6
CAS-nr.: -1344-28-1
Colours: - standard color collection with 10 traditional colours. .
See colourcard for available colours
Other colours are available on request.

Packing: -25 kg Polyethylen PE ventile bag on one way pallet wrapped with stretch foil
-1000 / 1250 kg one way big bags

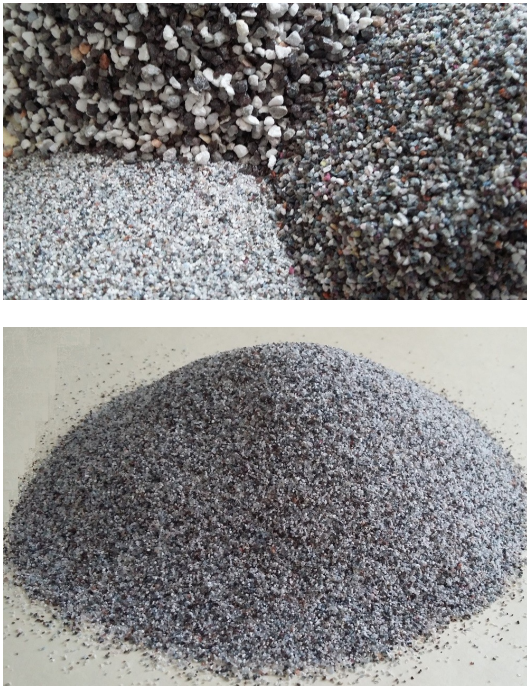
Storage capacity: -Dry, unlimited.

Storage conditions: -In the original, sealed bags - dry.

Picture:



Technical data:**Shared:**

Technical specifications:	
Hardness (Mohs)	8,5
Chemical content of Granulation in SiO ²	80-82% SiO ²
Moisture	< 0,1 %
Bulk density	2,60 kg/dm ³
Density	3,9 – 4,1 g/cm ³ (DIN ISO 787/10A)
Screening Curve	ELC 0,4-0,8 mm ELC 0,7-1,2 mm ELC 1,0-3,0 mm other granulations on request
Maximum deviation of the screening curve	15.00%
Polish Value (PSV) DIN EN 1097-8	PSV practical av. 53.3 / Category by norm PSV =55
Resistance against frost	F1
Picture of natural product	

CQE, 2k polyurethane colouring system, the CQE Polyurethane coat has excellent high resistance against abrasive loads evt. outdoor. For example for use on roads, parking- and bridgedecks without top coats.

Full UV stability of our CQE polyurethane color coating as applied on the granulate.
UV stability test (168 hour QUV test wavelength 313 Nm in comparison with epoxy this test datasheet is available on request.

Polyurethane systems CQE / CQS and CfQS	
UV non lighted $\Delta E=$	7,47
UV stability lighted $\Delta E=$	13,61



TRAFFIgrIP ELC

Standard Color Collection:



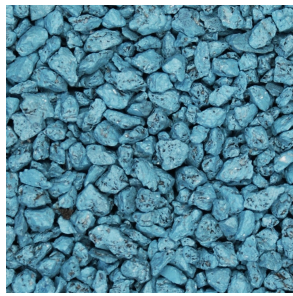
ELC Beige



ELC Blue



ELC Darkgrey



ELC Lightblue



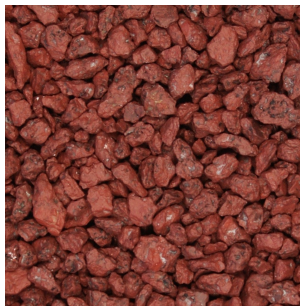
ELC Lightgrey



ELC Lightred



ELC OX-Green



ELC OX-Red



ELC OX-Yellow

ELC Orange



TRAFFIGRIP ELC

LIABILITY:

All information, guidelines and prices are based on the current, actual state. Changes can be made without prior notice. Since environmental factors are constantly changing, we cannot accept any liability in these cases. Before application you should establish whether or not our products are suitable for your desired application and will meet expected requirements. Due to the natural source of the raw materials, slight differences may appear in the colours. These differences may also appear between batches and sample materials.

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