



per 03/2021

KORODUR DUROP

**synthetic filling and dry-shake material
for synthetic resin coatings in road and bridge construction, industrial flooring construction, car parks**

DESCRIPTION

DUROP is a synthetic mineral aggregate used as filling and dry-shake material for synthetic resin systems. The cubic-angular grain shape from electro-metallurgical melting processes is particularly wear resistant and non-skid. DUROP is available in the fractions

- DUROP 0,5/1
- DUROP 1/2
- DUROP 2/3
- DUROP 2/5

APPLICATION

The excellent wear-resistance, anti-slip property and polishing resistance of DUROP offer manifold possibilities of application in industrial flooring as well as in road construction. Major fields of use are dairies, breweries, slaughter houses, wet production facilities, chemical factories, battery rooms, ramps and car parks. DUROP is as well suitable for driving lanes, bicycle trails, anti-skid bridge coatings and passages, e.g. at airports.

DUROP effects a significant grip improvement and thus provides a major contribution to accident reduction. The noticeably reduced rolling noises in addition are considered as active noise protection and environmental contribution. DUROP is also suitable as dry-shake material for bituminous driving lanes to improve the anti-skid properties of mastic asphalt (standard construction system) acc. to RSTO 2001.

PROPERTIES

- wear-resistant
- good cubicity
- high polished stone value
- reduced noise emissions
- optimized anti-slip property of wet surfaces (highways)
- environmentally friendly
- physiological and ecological harmless

TECHNICAL DATA

Grain fractions	DUROP 0,5/1 DUROP 1/2 DUROP 2/3 DUROP 2/5	0,5 - 1 mm 1 - 2 mm 2 - 3 mm 2 - 5 mm
Wear resistance abrasive wear acc. to Böhme acc. to DIN EN 13892-3	all fractions	ca. 7,0 cm ³ /50 cm ²
Hardness acc. to Mohs	all fractions	8
Compressive strength measured on synthetic prisms	all fractions	approx. 110/120 N/mm ²
Flexural strength measured on synthetic prisms	all fractions	approx. 35/40 N/mm ²
Bulk density measured on synthetic prisms	all fractions	approx. 3,5 g/cm ³
Water absorption measured on synthetic prisms		0,06
Impact resistance value SZ-value	all fractions	15,9
Polishing coefficient	PSV 5/6,3 mm	approx. 61
TL mineral-StB 04 technical delivery conditions for aggregates in road construction	all fractions	<input checked="" type="checkbox"/>



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PROCESSING

Processing in different thickness acc. to the specifications of the producer/formulator of the synthetic resin, qualified for almost any synthetic resin system. In case of special requirements to optical appearance, we recommend to apply a top sealer (on request coloured), providing a uniform appearance and improved usability/cleanability. It is recommended to apply a test area. The material has a dark anthracite colour, depending on the nature of the raw materials.

SUPPLY

25 kg special paper packaging

STORAGE

in dry condition

HINTS The specifications provided in this data sheet for application and processing are based on tests carried out by KORODUR under ideal conditions in the laboratory and acc. to the relevant technical regulations. Therefore, the indicated data don't represent directions for application or a quality agreement in the meaning of § 434 (1) BGB, no regulation in the meaning of § 434 (2) sentence 2 BGB (German Civil Code) and no guarantee for practical application. Due to the differing conditions on site, preliminary own tests and suitability checks are required before application. Please consider the currently valid product information as well as the relevant safety data sheet acc. to Regulation (EC) No. 1907/2006 in the latest version – also published on the internet: www.korodur.de.



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