

Product Datasheet

REWITEC® DuraGear® W100

Product: REWITEC® DuraGear® W100
Description: Coating concentrate for wind turbine gears
Sales Unit: Bottle (1,000 ml)

Technical Data:

Name:	REWITEC®-Coating Concentrate
Colour:	Anthracite
Pourpoint:	-21°C
Flashpoint:	285°C
Density at 20°C:	892 kg/m ³
Solubility in water:	no
Basic viscosity at 40°C:	223 mm ² /s
Dosage:	1 bottle DuraGear® W100 per 100 ltr. oil volume (1:100)



Product Characteristics

- Reduction of friction in bearings and gears up to 33%*
- Decrease of temperature in bearings and gears up to 20%*
- Reduction of roughness on metal surfaces up to 50%*
- Reduction of wear and abrasion, as well as reconditioning of frictional metal surfaces
- Prevention of micropitting
- Lowering of vibrations and noise
- Durable wear protection
- Improvement of scuffing load capacity
- Significant optimisation of primary material properties
- Optimisation of lubrication film and emergency running properties in case of oil loss
- Surface finishing during operating (without downtime)
- Therefore reduction/prevention of costs of idleness
- Reduction of spare parts demand
- Life extension of treated gears

* Tests on a 2-Disc-Test-Bench at the Competence Center Tribology at the University of Mannheim (Germany) 09/2012.