

## Castrol Viscogen Range

Special Greases for Long-term Lubrication of Open Drives with MICROFLUX TRANS®, the Load-active

### Description

VISCOGEN™ 0 is a sprayable semi-fluid grease for the long-term lubrication of open drives and ropes.

VISCOGEN™ 4 is an adhesive grease with an extremely good load carrying capacity for the long-term lubrication of open gears.

Both lubricants are black, contain solid lubricants and are free from bitumen and solvents.

### Application

- Lubrication and preservation of:
  - open gearings of overburden dredgers
  - gears and live rings of cranes and excavators
  - gear rims on winches and crushers
  - transmission gear wheels and threaded spindles of heavy crank presses
  - highly loaded racks and worm gears
  - open drive gears of cement rotary kilns
- Temperature application range:
  - VISCOGEN 0: - 20°C/- 4°F to + 125°C/+ 257°F
  - VISCOGEN 4: - 15°C/+ 5°F to + 130°C/+ 266°F

### Advantages

- Extraordinary adhesion.
- Optimum protection against friction and wear.
- Utmost load carrying capacity at permanent and impact loads.
- Excellent corrosion protection.
- Resistant to unfavorable ambient conditions (weather, humidity, dust, vibrations)
- Resistant to hot and cold water.
- Aging-resistant and shear-stable.
- Suited for long-term application.
- VISCOGEN 0 also suited for grease spraying systems.

## Typical Characteristics

Name	Method	Units	Viscogen 0	Viscogen 4
Colour	Visual	-	Black	Black
Base oil	-	-	Mineral Oil, Solvent-free	Mineral Oil, Solvent-free
Worked Penetration (60 strokes @ 25°C / 77°F)	ISO 2137 / ASTM D217	0.1 mm	355 - 385	240 - 270
Density @ 20°C / 68°F	ASTM D4052	kg/m <sup>3</sup>	954	974
Dropping Point	ISO 2176 / ASTM D566	°C/°F	-	193/379.4
Four Ball Wear test - Weld Load	DIN 51350-4A	N	6,500	5,000
FZG Gear Scuffing test - A/2.76/50	ISO 14635-3	Failure Load Stage	9	-

Subject to usual manufacturing tolerances.

## Additional Information

- Clean surfaces of lubricant residues before first application.
- For VISCOGEN 0 use grease spray unit, brush or splash lubrication.
- Apply VISCOGEN 4 with a spatula or a hard brush to tooth flanks.

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