

# Viceroy Universal 2

## High Performance Multi-Purpose Grease

Product Data

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### Description

Viceroy Universal 2 is a high performance Calcium Sulphonate Complex grease which provides superior lubrication, excellent corrosion protection and wear resistance. This in turn produces a product with exceptional mechanical stability and resistance to oil separation. Its medium/high base oil viscosity in combination with the Calcium Sulphonate thickener produce very high load carrying capabilities substantially increasing component life. This is achieved without the addition of solid additives. Viceroy Universal prevents fretting corrosion and prevents wear under high stress and vibration/shock loading, even at elevated temperatures. Due to a combination of the thickener type and the base oil viscosity the grease may be used in place of many NLGI 1 and 3 products allowing the grease to replace the use of many others in the workshop.

### Benefits

- Maximises bearing life
- Long service life reducing re-application frequency
- Reduces maintenance costs
- High dropping point ( $> 300^{\circ}\text{C}$ )
- Wide operating temperature range
- Suitable for high load, at a wide range of speeds
- Rolling element bearings under medium to heavy load
- Rolling element bearings operating at slow to medium high speeds
- High mechanical stability (does not separate)
- Prevents Fretting Corrosion
- Suitable for salt water environments
- Zinc free for environmental acceptability
- Exceptional resistance to cold and hot water
- High lubricity without the need for solid lubricants
- High corrosion resistance even in marine environments

### Applications

- Machinery exposed to variations in temperature  $-20^{\circ}\text{C}$  to  $160^{\circ}\text{C}$  (peak  $180^{\circ}\text{C}$ )
- Heavily loaded rolling element bearing in high load/temperature such as those found in quarry crushers
- Low to medium-high speed rolling element bearings subjected to shock loading
- Plain bearings including yellow metal types
- Protection of bare metal machinery constant exposure to outside, such as crane and lift booms
- Various on-deck machinery including cable and winches

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## Packaging

Viceroy Universal is available in 10 x 400 g, 30 x 400 g, 18 kg, and 185 kg.

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## Technical Specifications

Name	Units	Value
Colour		Caramel
Base Oil		Group 2 Plus
Viscosity @ 40 °C	mm <sup>2</sup> /s	220
NGLI consistency		Grade 2
Drop point	°C	>300
Worked penetration @ 60W (0.1 mm)		280 mm/10
Oxidation stability @ 100 °C/100h	hPa	-0.5
EMCOR corrosion		
Distilled water		Grade 0
Salt water		Grade 0
Water resistance @ 80 °C	%	2
Salt Spray Corrosion Test Cabinet	h	>1000
Corrosion on galvanized steel 48h/120 °C		Without corrosion
Welding load	kg	>700
Wear diameter (1h/40 kg)	mm	<0.60
Application Temperature	°C	-25 to 170 (peak 190)

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