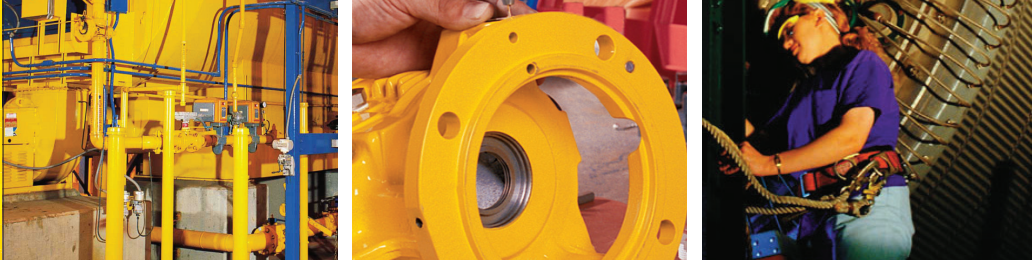


783(E)

ACR

APPLICATION AREAS

- Bolts
- Screws
- Press Fits
- Pipe Threads
- Pump Sleeves



PRODUCT DATA SHEET

KEY FEATURES AND BENEFITS

- No toxic heavy metals
- Waterproof
- Ultra-fine particles
- Broad service temperature range
- Corrosion resistant
- For extreme pressure - up to 8928 kg/cm² (126,983 psi)
- Usable under most extreme conditions

PACKAGING

250g Brush Top
500g Brush Top
20L

DIRECTIONS

Treat all threaded or press-fit parts before joining to make assembly and disassembly easier. Surfaces should be free of dirt, oil, grease, etc. Apply liberally to mating surfaces.

DESCRIPTION

Chesterton® 783(E) ACR represents the newest generation of anti-seize compound. A proprietary blend of ultra-fine inorganic solid lubricants, 783(E) ACR can be used under extremely severe conditions of temperature and pressure to assist in assembly and disassembly of threaded components.

Because the particles are ultra-fine, they spread evenly and fill surface profiles to prevent metal to metal contact and insure thorough coverage. Chesterton 783(E) ACR protects assembled parts against corrosion and presents a barrier to the corrosive effects of moisture, steam, salt water, high temperatures and corrosive chemicals. In a standard corrosion test, ASTM B-117, 783(E) provides 20 times longer rust protection than conventional anti-seize products.

In resistance to water wash off, 783(E) can be considered virtually waterproof. The result is long term performance even in difficult environments such as marine, chemical plants, or metals refining.

Typical Physical Properties

Appearance	Light gray
NLGI Grade (ASTM D 217, DIN 51 518)	2
Texture	Soft paste
Specific Gravity	1.33 kg/l
Average Particle Size	< 11 microns
Extreme Pressure (ASTM D 2596, DIN 51 530)	8928 kg/cm ² (126,983 psi)
Dropping Point (ASTM D 566, ISO 2176)	>288°C (550°F)
Operating Temperature	-34°C to 900°C (-30°F to 1650°F)
Coefficient of Friction "K" Factor (Skidmore-Wilhelm Method)	0.140
Corrosion Resistance (ASTM B 117) 5% NaCl	>1200 hrs @ 100 microns
Copper Corrosion (ASTM D 130, DIN 51 811) 100°C (212°F)	2A, 24 hrs.
Water Washout (ASTM D 1265) 79C (175°F)	<0.13%
Penetration (ASTM D 217, ISO 2137)	270
Weld Point (ASTM 2596, DIN 51 350)	>800 kfg
Load Wear Index (ASTM 2596, DIN 51 350)	168.7

Before using this product, please refer to Safety Data Sheet (SDS).