

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.





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/cm² (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)
Coeffecient 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).



Chesterton International GmbH Am Lenzenfleck 23, DE-85737 Ismaning, Germany Tel +49-5223-96276-0

www.chesterton.com eu-pds@chesterton.com
© 2018 A.W. Chesterton Company

® Registered trademark owned and licensed by A.W. Chesterton Company in USA and other countries, unless otherwise noted. Technical Data reflects results of laboratory tests and is intended to indicate general characteristics only. Since many actual application circumstances are beyond Chesterton's knowledge and/or control, the product user must determine the suitability of the products it intends to use for its particular purpose and assume all risks and liabilities in connection therewith. CHESTERTON DISCLAIMS ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.