



Technical Data

DURABOLT™ - CR² Coated Fasteners

DESCRIPTION

The DURABOLT™ range of Corrosion Resistant, Clean Release fasteners has been specially developed for installation in particularly aggressive operating environments. DURABOLT™ incorporates a two stage Composite Fluoropolymer/Ceramic coating system. The basecoat applied to DURABOLT™ utilizes an extremely hard *ceramic matrix alloy* known as Ceralume™, which provides exceptional corrosion and abrasion resistance to the fastener. The fluoropolymer topcoat is designed to ensure that the threads remain permanently dry-lubricated, making torquing up easier and preventing subsequent corrosion seizure.

APPLICATIONS

Installations where fasteners are required to operate in extremely corrosive or humid conditions, such as those found in splash zones, sub sea zones, buried, under ground, sour service applications and areas where exposure to corrosive chemicals may be experienced. DURABOLT™ fasteners are particularly suitable for making up flanged pipe and valve connections as well as bolting together platforms, gantries and structural steelwork operating in corrosive environments.

PRODUCT RANGE

The standard DURABOLT™ range of fasteners includes ASTM A193 Grade B7, B7M, L7, L7M Studbolts, Heavy Hexagon Bolts, Nuts and Washers in a complete range of Imperial or Metric diameter of any standard length. Other formats and specifications of fasteners can be supplied coated to DURABOLT™ specification upon request.



PRODUCT SPECIFICATIONS

Generic Type	Composite Fluoropolymer/ Ceramic
Appearance	Top coat - Slippery blue finish Base coat - Silver/Grey metallic finish
Standard Colors – Top Coat	Blue, Red & Green
Other Colors – Top Coat	Available on request
Thickness	50 microns (nominal)
Adhesion (BS 3900)	Crosshatch test – Pass
Corrosion Resistance	Exceeds 3000 hours ASTM B117 Salt Fog Test.
Meets Current Saudi Aramco specification <u>09-SAMSS-107</u>	

OTHER PRODUCTS

See DURABOLT TB™ range for higher temperature requirements.

S3C also produce a complimentary range of products which includes coated and lined pipe systems for conveying raw water, potable water, chemicals, hydrocarbons, corrosive and abrasive fluids and slurries etc. A complete range of PVC coated, explosion proof electrical conduits and conduit fittings complete the package and, in addition, the company can apply a wide range of protective coatings and linings to customers own materials including cable trays and struts, fencing hardware, architectural aluminum and steelwork, valves, pumps etc. Further details are available on request.

For more information, please visit our website at <http://www.s3c.net> or e-mail us at sales@s3c.net. You can write or contact us too at:



**Saudi Conduit Coating Company, P.O. Box 3298, Al Khobar 31952, Kingdom of Saudi Arabia
Tel: 966 (03) 847 3288 (6 lines) Fax: 966 (03) 847 2316**

The information provided in this publication is based upon the research and experience of Saudi Conduit Coating Company and its material suppliers and is to the best of our knowledge accurate; however no guarantee of its accuracy is made. Saudi Conduit Coating Company assumes no liability whatsoever for damages or injury arising out of misuse nor are they liable for any resulting or consequential damage or claims.