



Technical Data

DURABOLT™ - TB 800

Extreme Temperature CR2 Coated Fasteners

DESCRIPTION

The DURABOLT™ TB 800 range of Corrosion Resistant, Clean Release fasteners have been specially developed for installation in extremely high temperature operating environments where high temperature corrosion is a problem. DURABOLT™ TB 800 incorporates a Thermal Barrier Composite Cermet coating system which utilizes an extremely hard, *Ceramic Matrix alloy* coating known as Ceralume™. The overall effect is a coating which provides exceptional high temperature corrosion resistance to the fastener, preventing corrosive seizure.

APPLICATIONS

Installations where fasteners are required to operate in extremely high temperature conditions such as those found in the power generation, chemical processing and petrochemical refining industries. DURABOLT™ TB 800 coated fasteners are particularly suitable for critical bolting applications such as gas and steam turbine casings, heat exchangers, hydrocarbon cracker tower casings, exhaust stacks and manifolds, and other high temperature equipment where subsequent release of fasteners is an important requirement. DURABOLT™ TB 800 is the ideal choice for equipment operating in a high/low temperature cycling environment where condensation and humidity are also a factor.

PRODUCT RANGE

DURABOLT™ TB 800 can be supplied in a standard range of fasteners including ASTM A193 Grade B7, B7M Studbolts, Heavy Hexagon Bolts, Nuts and Washers in the size range 3/8" to 6" (M10 - M150) diameter of any standard length. Other sizes and formats of fasteners can be supplied coated to DURABOLT™ TB 800 specification upon request.



PRO

Generic Type



Composite Cermet

Appearance	Light Olive colored smooth surface
Thickness	25 microns (nominal)
Maximum Working Temperature Range	Up to 871 °C continuous
Corrosion Resistance	Exceeds 1000 hours ASTM B117 Salt Fog Test.
Wear Depth	24 microns/100 hours (x10⁻⁴ x P x U)

OTHER PRODUCTS

DURABOLT™ CR2, TB200 & TB 500 Series are also available.

S3C also produce complimentary coated products including DURA-COAT AND DURA-LINE for use in corrosive and abrasive locations. These are a range of coated and lined pipe systems for conveying raw water, sweet 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 strut, 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.