Duraband®NC

THE WORLD'S MOST TRUSTED HARDBANDING



Duraband®NC

ONE HARDBAND WIRE FOR ALL CONDITIONS



Why Duraband NC?

Oil and Gas Drilling is demanding more from drill pipe today than ever before. Extended Reach Drilling, Highly Deviated, H2S Sour Gas, Horizontal Drilling and HPHT wells are pushing the limits of current drill pipe design. Reliability of first application and re-application of hardbanding is vital for efficient offshore drilling

and modern land drilling methods that require the drill string to be in constant use. Wells are being drilled deeper and faster today. The hardbanding must also be able to survive these environments, and successful re-application is essential. If it is not, re-application costs will be extremely high.

CASING-FRIENDLY...100% CRACK-FREE...100% REBUILDABLE

FIELD-PROVEN PERFORMANCE

Maximum Tool Joint and Drill Pipe Protection

Under actual downhole field testing, Duraband NC consistently provides superior wear resistance. Field and laboratory test reports available upon request.

Excellent Casing Wear Protection

Using the Mohr Engineering Casing Wear Test, Duraband has been tested under a variety of conditions and with differing casing materials. Duraband consistently shows that it provides excellent casing protection. Test results available upon request.

Fatigue Resistance

Each time drill pipe is put downhole, stress and fatigue are multiplied. Duraband NC has consistently proven its resistance to cracking and spalling. Test results available upon request.





Multiple Re-applications

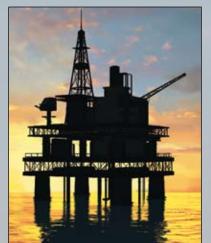
Duraband can be re-applied over itself or other hardband products without removal. Independent NS-1 testing has confirmed this. Re-application costs up to 75% less than competitive products. Test reports and certifications available upon request.

Fearnley Procter NS-1™ Certified

- New application
- Re-application over other existing products

PERFECT FOR ALL DRILLING CONDITIONS...

- Mighly Deviated Wells and Extended Reach Drilling
- H2S Sour Gas Wells All grades of sour gas drill pipes
- MPHT Wells
- Geothermal Drilling
- Morizontal Drilling



...AND ALL HARDBAND LOCATIONS

- Box and Pin
- HWDP Center Wear Pads
- Orill Collars
- Completion Tubing Connections
- Multiple Layers

Wear Knot™ is a trademark of RDT-USA

AVAILABLE FROM ALL MAJOR DRILL PIPE MANUFACTURERS WORLDWIDE

Approved Worldwide

Duraband is approved by Exxon, Shell, BP, TOTAL, ENI, BG Gas, Maersk Oil, Hess, Chesapeake, Chevron and many other operators. Drilling Contractor approvals include Transocean, Diamond Offshore, Noble Drilling, Atwood, Dolphin, Saipem, Seadrill, Ensign Drilling, Precision Drilling, ENSCO, KCA Deutag, Rowan Drilling, San Antonio Drilling and many others.

7 Good Reasons Why More Drilling Professionals Trust Duraband NC

1. APPLICATOR SUPPORT

Over 200 applicators worldwide...On every continent!

2. TECHNICAL EXPERTISE & CUSTOMER SUPPORT

Anywhere in the world. Ten dedicated Technical Centers worldwide that support our applicators and the drilling industry.

3. UNIQUE APPLICATOR CERTIFICATION PROGRAM

We developed a three-step certification process to help identify applicator skill level and experience to assure quality work. A first for the industry. No other company comes close to our three-level program.

4. FIELD TRAINING

We provide extensive on-site field training anywhere in the world. No other company offers this hands-on service.

5. SITE INSPECTIONS

To be certain that hardbanding is being applied to specification, we will dispatch a quality assurance specialist to monitor the application of Duraband NC. No other hardband supplier does that.

6. TESTING

Duraband NC has been independently tested and approved through Fearnley Procter NS-1[™] to apply over:

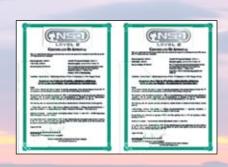
- TCS®Ti and TCS 8000®
- Armacor[®] MStar
- OTW12
- SmoothX®

Duraband is the only product to carry this many approvals.

7. PROCEDURE DEVELOPMENT & IMPROVEMENT

For over 40 years, Postle Industries, Inc. has been designing hardfacing alloys and application procedures for many industries. Our R&D department has worked tirelessly to address the drill pipe wear and casing concerns of the drilling industry. As drilling continues to grow and drilling demands change, Postle Industries will be there to support, develop and deliver quality hardbanding products. Procedure Improvement is an ongoing process. Here are some recent developments:

- Patent Pending Coolbanding of tool joints to prevent damage to the IPC
- Developed a unique insulating wrap to slow the cooling process on hardbanded tool joints, HWDP and drill collars for strong, reliable application.
- Developed a unique procedure for hardbanding tool joints used with H2S Sour Gas
- Patent Pending Ultraband NM for Non-Mag Drill collars





POSTALLOY® HB INSULATOR

DURABAND

Duraband®NC

A PROVEN TRACK RECORD

- Ouraband's parent company, Postle Industries, has been in business for nearly 50 years.
- Ouraband has been approved by all the major oil companies, drilling contractors.
- All rental companies in the USA and most rental companies worldwide use Duraband.
- Ouraband is supported by over 200 hardbanding applicators worldwide and our global network of Technical Centers.
- Ouraband and its sister product Tuffband are the largest selling hardband in the world... over 500,000 tool joints annually!
- Available from all major drill pipe manufactures worldwide





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