

Horizontal Drilling Compound

PRODUCT DESCRIPTION

1520 Vector Premium Horizontal Drilling Compound is formulated for use in extreme drilling conditions. It is copper based, and contains extreme wear ingredients to provide unmatched protection against galling and seizing under the most demanding conditions. The lead-free formulation will prevent compound build-up in the thread roots, while allowing it to be used in virtuously all HDD operations. 1520 can be applied by brushing on threads or in most automated lubrication systems.

1520 provides consistent make up and break out to all types of rotary shouldered connections. It can be used for breaking in new drill pipe connections, as well as an anti-seize compound for other threaded connections.

1520 is not classified as a marine pollutant. It contains a corrosion protection package to protect threads damage due to rust and corrosion. The friction factor of 1.0 provides consistent make-up and breakout to all connections.

BENEFITS

- **Lead-Free**
- **EP and corrosion protection package**
- **Will not build up in thread roots**
- **Not a marine pollutant**
- **Sticks to wet joints**
- **Can be used in auto-lube systems**
- **Excellent pumpability**

APPLICATION

1520 Vector Premium is specifically formulated to meet the requirements of most HDD operations. It can be applied by brush or in auto-lube systems.

TYPICAL OBSERVATIONS

Color	Copper
Texture	Smooth
Density, lb/gal@ 77°F (25°C)	11.75
Specific Gravity @ 77°F (25°C)	1.40
Dropping Point, ASTM D-2265	484°F (251°C)
Flash Point, ASTM D-92	>400°F (>204°C)
Penetration, ASTM D-217 @ 77°F (25°C)	325–355
Base Oil Viscosity cSt @ 40°C	375
Evaporation Loss, ASTM D-972 @ 210°F (98°C)	0.2%
Oil Separation, ASTM D-1742 @ 77°F (25°C)	Nil
Corrosion Resistance, ASTM B-117	1,000+ hrs
Friction Factor, API RP 5A3 Annex I	1.0
Temperature Range	10°F to 450°F (-12°C to 232°C)
Shelf Life (unopened container)	Four years

RELATED PRODUCTS

1501 Vector Plus

**AN OIL CENTER
RESEARCH LLC PRODUCT**



Liquid-O-Ring^{®*}

© 2023, BALMAR LLC
*Registered Tradename of Oil Center Research, Inc.
WARRANTY Because the conditions of use and the supervision of application are beyond our control, we assume no liability for any product failure or other damage beyond the purchase price of the material furnished by us. No agent, representative, or employee of this Company is authorized to change this provision, which relates to all goods delivered, whether sold, delivered as samples, or otherwise. Each user should independently determine the suitability of this product based on their specific application.

WWW.OILCENTER.COM

Manufactured by

BALMAR LLC

616 WEST PONT DES MOUTON ROAD | LAFAYETTE, LA 70507

Sales Locations:

LAFAYETTE, LA | HOUSTON, TX | LONGVIEW, TX | MIDLAND, TX | OKLAHOMA CITY, OK

Made in U.S.A.

The product information and specifications listed in this publication are constantly being updated to keep up with government regulations and technology changes. Please visit our website, www.oilcenter.com, or contact your Account Representative for the most current information relating to this product.