

DynaGard™

Installation Procedure

DynaGard serves as a corrosion barrier by isolating the pipe from its support. **DynaGard** consists of a fiberglass shell, which has been lined with DGB, a double-sided, high bond strength adhesive layer that is protected by a plastic, release liner for "peel and stick" applications in accordance with the following installation procedure.

1. Without removing the plastic release liner, which protects the DGB adhesive layer, place the **DynaGard** on the pipe to confirm that the **DynaGard** fits snugly.
2. Raise the pipe off the support to the extent required to facilitate placement of the **DynaGard** between the pipe and the support. Care should be taken to raise the pipe at a perpendicular angle to the support so that when the pipe is lowered it will not "slide" across the support.
3. Use a wire brush to remove any loose scale or other material. Then clean the pipe using a 50:50 mixture of isopropyl alcohol and water. Wipe clean and inspect for any anomalies such as raised surfaces that would prevent the **DynaGard** from fitting snugly against the pipe. Contact a certified **DynaGard** Installation Superintendent if there is an anomaly that cannot be removed. The pipe should be wiped dry if there is any moisture forming on the pipe before application of the **DynaGard**.
4. If the pipe is acceptable, peel the release liner from the interior of the **DynaGard**.
5. Place the **DynaGard** under the pipe and center it over the support, making certain that the **DynaGard** shell extends at least 2" beyond the support on each side. Standing over the pipe, with a hand at each end of the **DynaGard**, pull the **DynaGard** up and into contact with the pipe, taking care to center the **DynaGard** at the 6PM position on the pipe. Note that in the case of larger diameter pipes, it may be necessary use a ratchet strap in order to pull the **DynaGard** tightly against the pipe. Likewise, a rubber mallet may be applied to the outside of the **DynaGard**, in particular to the outer edges, to ensure that the **DynaGard** adhesive has contacted the pipe.
6. With the **DynaGard** in place, lower the pipe back on to the support.
7. Once the full weight of the pipe rests on the **DynaGard**, any voids or cavities between the pipe and the fiberglass shell portion of the **DynaGard** that might collect moisture should be filled with silicone putty.
8. Although not necessary, **DynaGard** is chemically resistant and the fiberglass shell can be painted if desired.

Note: if the pipe is expected to move more than an insignificant amount once the DynaGard has been installed, TOPCOR Offshore should be contacted prior to installation to determine if the radius of the DynaGard is sufficient to provide the necessary adhesion.

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DynaGard™ Installation Sequence



DynaGard consists of a rigid fiberglass shell, manufactured to fit the radius of the pipe



The shell is lined with double-sided adhesive that acts as a corrosion barrier



To install, confirm that the DynaGard fits snugly onto the pipe to be protected



Peel the paper release liner from the interior of the DynaGard, exposing the adhesive



Place the DynaGard under the pipe, center it over the support and pull up



With the DynaGard in place, lower the pipe back on to the support.