

Dear Colleague and Friend

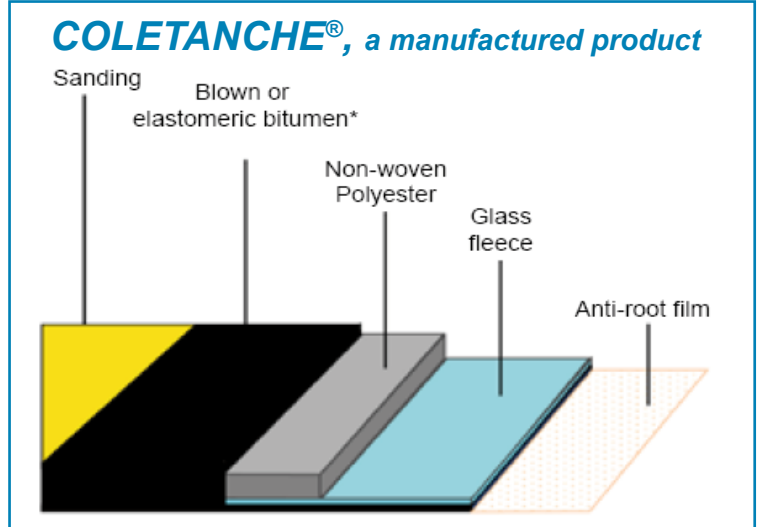
GeoFrontiers 2011, notably the largest gathering of geotechnical designers, engineers, and products will convene **March 13-16 at the Dallas Sheraton Hotel, Texas.**

COLETANCHE® would like to invite you to visit us at **Stand 814.**

We will be available for any questions and/or technical discussions.

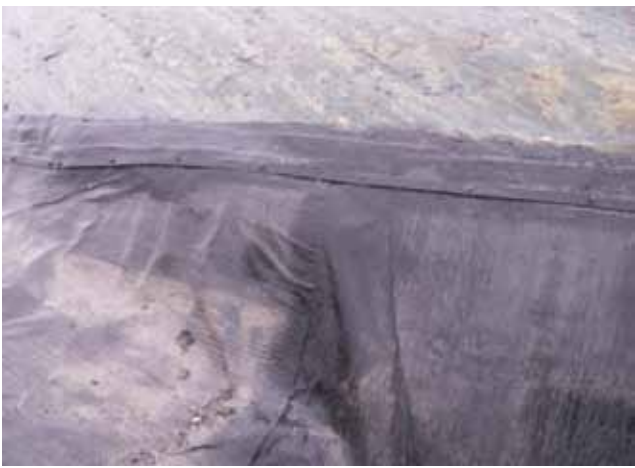
COLETANCHE® is a robust bituminous geomembrane that does not require a protective cover such as soil or geotextile.

COLETANCHE® excels in applications where the subbase consists of coarse subbase materials, in windy and wet areas, under water, at altitude, and in cold climates. It has unique layered structure:



Because of its unique properties and characteristics, **COLETANCHE®** was selected for use throughout the Americas in new projects going into construction in 2011

February 2011, Andes Mountain Range, Chile



Lining of a reservoir and canal. Project possible because **COLETANCHE® can be installed and sealed to directly to rock under the harsh weather conditions** expected **at the site temperature down to -20 degrees Fahrenheit** (-29 degrees Celsius) light snow, wet weather, and strong wind present at this altitude.

◀ Sealing COLETANCHE® to rock

March 2011, Belo Horizonte, Brazil



Base for a heap leach pad, lined with **COLETANCHE®** covered with asphalt. Project possible because **COLETANCHE® is unaffected by the high temperature of asphalt** (312 degrees Fahrenheit; 140 degrees Celsius) when placed directly on top. No mechanical properties of **COLETANCHE®** are compromised by the placement of asphalt.

◀ Placement of asphalt on top of COLETANCHE®

April 2011, Canada



Capping of waste rock at a mine site in northern Canada. Project possible because the unit mass of **COLETANCHE® allows placement during windy conditions and its elastomer component allow placement in very cold conditions.** The proposed shingle placement of the **COLETANCHE®** panels in the manner used in Colmar France will accommodate potential large total and differential settlement due to softening of the permafrost subjected to global warming.

◀ Colmar (France) no horizontal joints

May 2011, Northern California, USA

Capping of a solid waste landfill that encroaches on a wetland under tidal influence near Oakland, California. Project possible because **COLETANCHE® is heavier than water and can remain exposed.** Therefore 3 acres (1.2 ha) of geomembrane will be left exposed within the tidal zone thereby reducing the impact of the final cover on wetland, minimizing closure cost, and reducing soil import (1,300 truck trips saved or the equivalent 80 tons of CO² not released to the atmosphere).

May 2011, Peru

Construction of a tailings dam and reservoir at 13,500 ft. Project possible because the unit weight of **COLETANCHE®** allows placement under high wind conditions. **COLETANCHE®** is the only choice for this tough application.

Please stop by **Booth 814** to see photos of completed projects, and decide if **COLETANCHE®** is up to your challenge. We would like to welcome old and new friends to Dallas.

