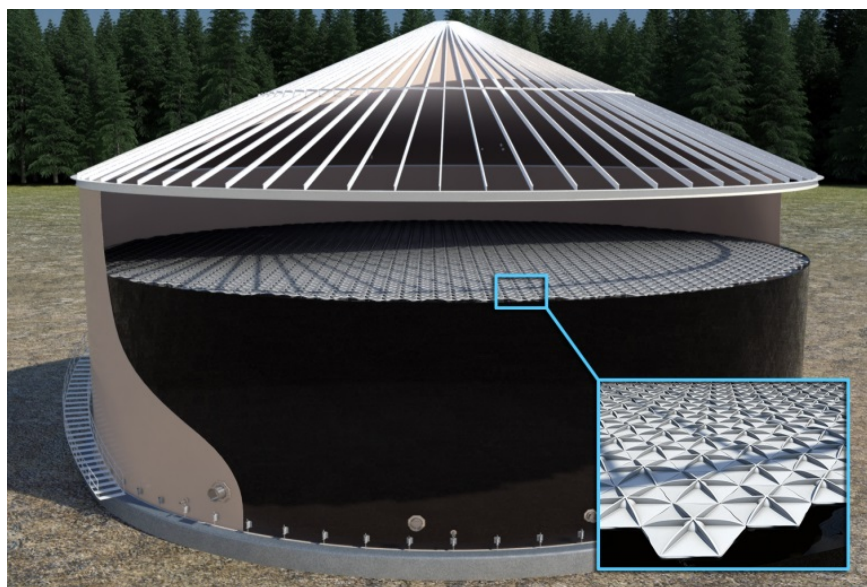


Hexa-Covers® for Petrochemical Production and Storage Facilities

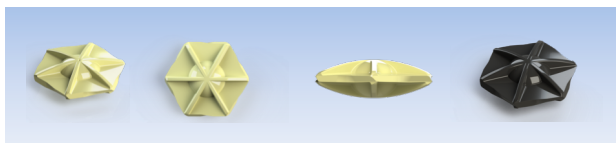
Petrochemical and Polyolefin Chemical Complexes must have large Hydrocarbon storage facilities in order to handle the enormous quantities of raw materials, interim and final products. As such these complicated chemical complexes typically have a wide variety of storage facilities to handle the varying nature of the fluids they must contain. Traditionally these storage facilities will utilize welded steel tanks with either a fixed roof or an internal floating roof (IFR) technology or both. In some cases the tanks would have their head space managed in a closed loop fashion. Fixed roof tanks that are open vented to the environment, experience breathing and working losses of the storage chemicals to the environment. In applications where the liquid being stored is heated and or is highly viscous in nature, the traditional IFR technologies might not be compatible. The high temperatures and thermal expansion of the metal or the sticky nature of the thick fluid can sometimes cause IFR binding failures. In some jurisdictions where regulations are not as robust or where tank assets are old and not well maintained, the tanks can be "out of round" which again can make a tank unsuitable for a traditional IFR, without very costly reworking of the tank structure. Hex-Cover® Oil & Gas Duty Technology is a perfect solution for such situations. Heated Heavy Oil was one of the first

applications for this technology. No other technology could handle the combination of a continuous 100C process duty, thick sticky heavy oil as well as being able to pass through an elevation level where pipes and burners in the tank would hit the cover when the liquid level dropped. The Hexa-Cover® Oil & Gas Duty Technology has proven itself in over 2160 installations in just 4 years. Testing results have shown a reduction of tank headspace emissions by up to 93% for hexane and 66% in a tank heated to 80C with liquid toluene. Hexa-Cover® products are available in various designs, the final selection of which is



determined upon examination of the application details. DuPont™ Zytel® is one of the materials we have available in various grades to handle the material science challenges. In some cases the technology is utilized for saving lost hydrocarbons emitted through the tank vents or lost to the process in closed loop facilities, or in other cases it can be an odor or health & safety issue. Our largest client has used the technology to both solve odor issues as well as reduce energy costs by 20% on remote propane heated heavy oil facilities.

Contact your local Greatario Covers Inc., Hexa-Cover® Oil & Gas Duty Distributor for more information about how this technology can reduce the environmental footprint of your facility, while simultaneously reducing odours and emissions and health & safety issues for your operations staff and your community. <http://greatariocovers.com/contact-us/distributors.html> Tele: 403-444-6851 email: tfrank@greatariocovers.com



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