



FOAMGLAS®

Oil and Gas Exploration Ship is Protected from Moisture and Fire Hazards by FOAMGLAS® Insulation

The Sea Rose is a "floating production, storage and off-loading" (FPSO) ship built in Korea by Samsung. The total cost, more than \$2 billion, includes construction and onboard installation of the production modules. The second ship of its kind, the Sea Rose has a greater production and storage capacity compared to earlier ships including its predecessor, the Terra Nova.

Built for a joint venture between Husky Energy and Petro-Canada, the Sea Rose is designed to extract oil from the White Rose oil reserve located more than 400 feet below the Atlantic Ocean just east of Newfoundland. To do this, the Sea Rose is "plugged into" an established well located on the sea floor. With its flexible hose, reaching down from the forward tower on board, crude oil is pumped up into onboard process and storage areas. When the crude oil is refined, it is either stored (1 million barrels capacity) or "pumped over" to a waiting tanker.

To protect and ensure the Sea Rose can continually operate at peak performance, Pittsburgh Corning's FOAMGLAS® cellular glass insulation was selected for several piping segments. The reasoning behind the installation was simple; FOAMGLAS® insulation is 100 percent glass and moisture and fire resistant and will not wick combustible liquids. Had the Sea Rose not chosen a product with such characteristics, the ship would be susceptible to damage from both salt water, chlorides and the highly combustible liquids pumped to and from the vessel.

Pittsburgh Corning

PROJECT PROFILE

Owner:

Sea Rose Oil Exploration Ship
Husky Energy/Petro Canada
Joint venture

Engineering Consultant & Project Management:

Aker Kvaerner

Insulation Contractor:

Parker Brothers
(now Parker Kaefer)

Pipe Insulation:

FOAMGLAS® Insulation

Pipe Insulation Fabricator:

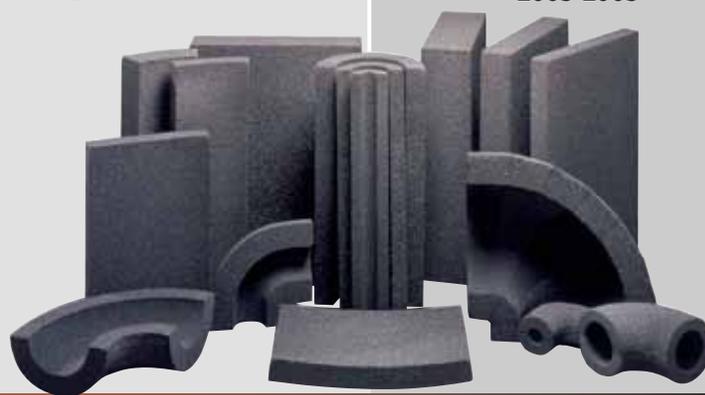
Pol R Enterprises inc.

Distributor:

Scotia Insulation

Period of Construction:

2003-2005





In total, approximately 17 container loads of FOAMGLAS® insulation were fabricated by Pol R Enterprises and supplied by Scotia Insulation to the Marystown construction site. From there, the FOAMGLAS® pipe insulation was sealed with PITTSEAL® 727 sealant and jacketed with a stainless steel cover. This process was continued on piping segments in 16 oil production/refining modules constructed on shore before eventually being lifted on board the Sea Rose. Once complete, the ship was commissioned in late 2005 and shortly thereafter, began producing oil from the White Rose oil field in early 2006.

The Sea Rose FPSO is fulfilling its duty out in the open sea, thoroughly protected by FOAMGLAS® insulation.

Protecting Companies and Their People Worldwide
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