

4951

LIGHT WEIGHT BLAST WALL BEET FIRE WALL 1100

BEET



One can not solve a construction **weakness** with the same way of **thinking** that created the problem!
So we provide — where others fail!

DEVELOPED FOR THE OIL INDUSTRY.

BEET BUILDING SYSTEM has developed an all Composite Fire Wall. The wall is sandwich construction where multiple panels are joined to form large fire walls. Joining of panels is enabled through a patented composite profile by Jan Holm Hansen AS.



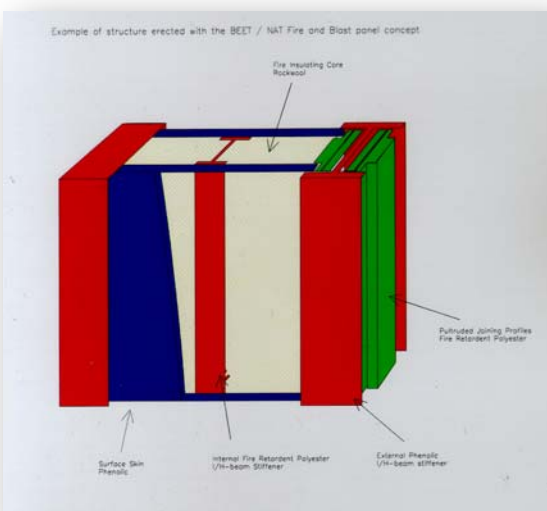
PRODUCT BENEFITS.

- Reduces the top weight on oil platform with 63 %.
- Reduces maintenance cost by 95 %.
- Shortest assembly time.
- Is self-supporting and can be expanded in all directions.
- Energy-saving construction.
- Fireproof.
- Water proof.
- Chemical resistant

So, The BEET blast wall sandwich system is allowing full benefits of the composite properties (Low weight, no corrosion, less maintenance and lower investment).

PRODUCT DESCRIPTION.

- Produced sandwich thicknesses: 100, 150 and 200 mm
- 7 mm phenolic panel side.
- Core material of dense rock wool.
- Phenol profile in various widths and thicknesses.



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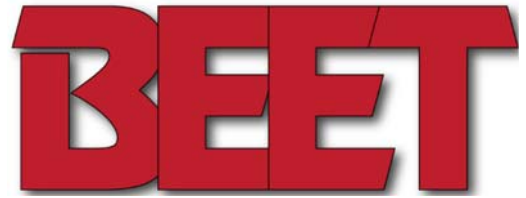


Image from start-up fire test at Norwegian Fire Laboratory, SINTEF

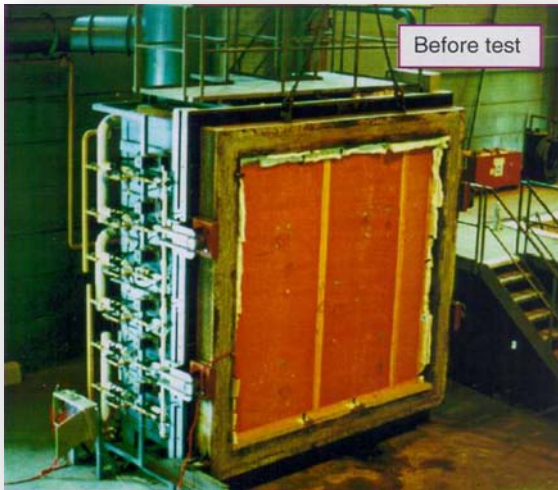
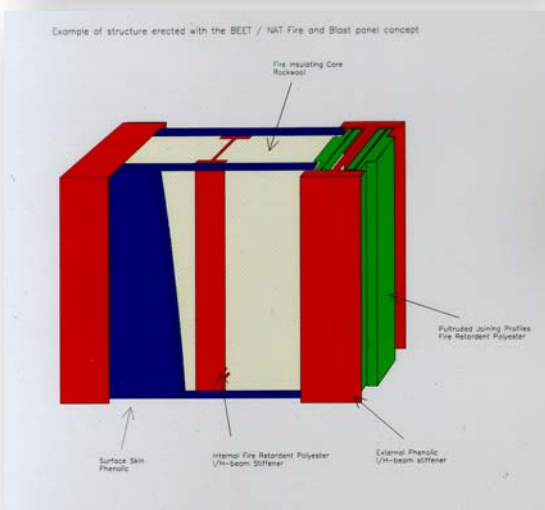


Image After 2 hours fire load in the test rig at Norwegian Fire Laboratory,.



TESTING SPECIFICATIONS.

Testing:

Testing in according to IMO Resolution A 754 (18) «Recommendation on fire resistance tests» for «A», «B» an «F» Class divisions dated 1993-11-22, but using the exposure curve given by NPD.

Test dimensions:

A 3 meters x 3 meters wall was erected from 2 full sandwich panels and one smaller.

Testing requirements:

Testing suggests so far that the wall passed both the temperature requirement after 60 minutes, and the structural integrity and prevention of fire spreading for 120 minutes.

Test result:

Approved test classifications:

- Fire resistance class A
- Fire resistance class B
- Fire resistance class F
- Fire resistance class H

25. aug. 1996

Tested at:

Norwegian Fire Lab. SINTEF, Trondheim, Norway

Material specifications test wall:

Exterior frame:

H—profile: BEET phenol H-10 x 10

U—profile: BEET phenol U-10 x 5

Internal frame:

Joining profile: BEET B100

Surface one: 7 mm BEET phenol panel without electron cured acryl varnishes.

Core Material: Rock wool CS 40 KPa

Surface two: 7 mm BEET phenol panel without electron cured acryl varnishes .

