

## **Mafo Naval Closures BV & Marine Systems Technology Ltd Alliance creates world beating Watertight A60 System.**

In a world first, Mafo/MST have demonstrated that Mafo watertight doors can be protected such that no damage occurs during A60 fire testing, with the structure of the door unaffected and with no distortion.

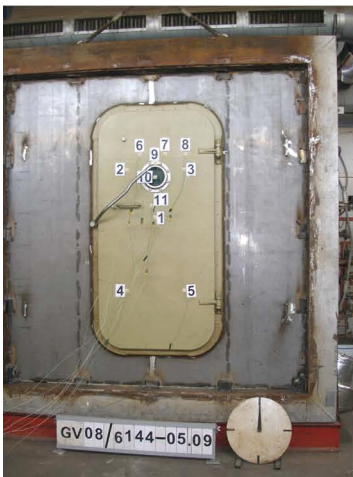
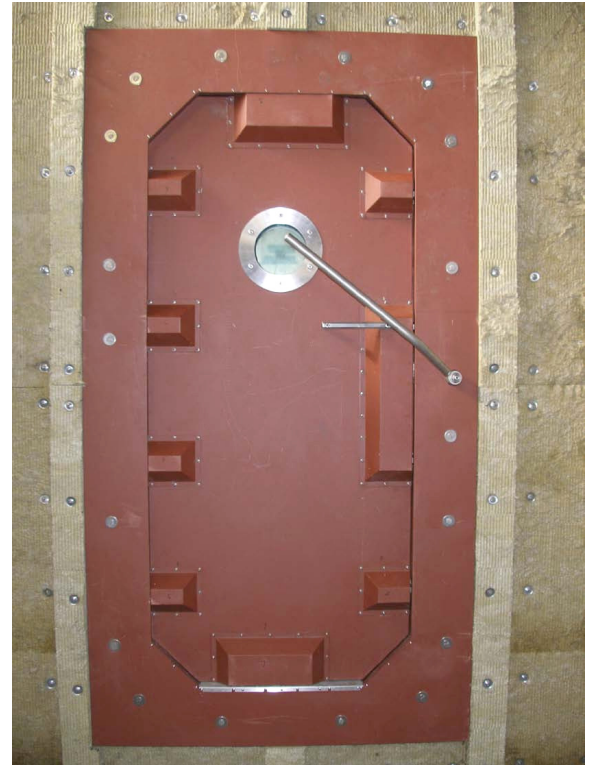
MST 'COMFIRE' technology allows these doors to be dogged as fully operational WT doors, after an A60 fire, without even a requirement to replace the seal.

The technology may also be applied to Mafo Gas-tight and Weather-tight doors, hatches and scuttles.

At the start of the test, the door was allowed to close to a latched position without dogging, as requested by Lloyds Registry to conform to IMO requirements.

Mafo door systems are world renowned for performance in warship applications, for very low maintenance, shock and vibration load performances and reliability.

MST are the world leaders in fire protection systems with 'COMFIRE' high performance, non-combustible, composite panel systems accredited to DEF STAN 07-247. 'COMFIRE' composites exhibit many desirable properties such as zero toxicity and excellent acoustic performance, and are non-carcinogenic and recyclable.



The A60 testing of the combined system, (which included an A60 rated, 150mm diameter vision port), allowed only 74 deg.C through the complete structure with 945 deg.C on the furnace side. No deformation of the door took place and a chalk test of door of the blade/seal interface confirmed that no deformation had taken place. This stability would allow the door to be dogged for water-tightness after the fire and would provide protection against a subsequent fire.

End users and design authorities can have confidence that a watertight/gastight door system, working in conjunction with the new technology, can be protected against high intensity fires even up to 'H' classifications.