



## **MOBBTA Entrance Criteria**

The following criteria outlines the requirements which applicants need to meet to become associated members of MOBBTA. These requirements are based on type testing and surveillance carried out on flat sheets of board which are primarily manufactured from magnesium oxychloride or magnesium sulphate, i.e. sheet materials with no laminates, coatings or as a component of an assembly. The party responsible for importation and placing the MgO based board on sale should show conformance to the following;

### **Type Testing requirements**

- EN 12467
- STA Product paper 3 & 4
- Reaction to Fire to EN 13501-1
- All testing should be carried out to BS, EN or ISO standards

Fire tests should be carried out by NANDOS 'notified bodies' such as EXOVA or BRE

Physical property testing may not be UKAS accredited but needs to be carried out within UKAS accredited facilities or at an appropriate 'notified body'

### **Performance in Environments of High Relative Humidity test requirement**

- Boards are taken by the testing body at random from the member's stock – i.e. sampled testing procedure
- Traceability references of the specimens are to be recorded by the testing lab. The sponsor must demonstrate from their management system that these samples are traceable to a specific production batch
- Specimen size of boards to test: 200 x 200 x 9mm
- Specimen to be conditioned for 48 hours according to laboratory ambient conditions prior to test
- The conditions of the test are 85% relative humidity exposure for 56 days
- Specimens to be monitored for any 'crying' behavior witnessed during the test
- Specimens to be monitored for mould growth formation during the test
- XRF/XRD tests of specimens are to accompany the report. The sponsor needs to demonstrate that the chemical formulation recorded is consistent with boards placed into the UK market.



Surveillance requirements

- Chinese standard JC 688 batch testing criteria should be followed
- Every board manufacturer needs to stamp their boards with their company name as a means of identification and traceability
- Boards should be traceable to their production batch from the manufacturing plant
- Manufacturer must prove effective QC procedure & raw materials supply (& supply chain) for the boards

Other requirements

- Declarations of performance issued for all products and signed off by Managing Director or responsible person for compliance within the company
- Safe Handling Sheet for materials
- Statement signed by company representative who is responsible for the importing and quality checking of the boards
- Product indemnity insurance certificate for member


**PRODUCT PAPER 3 CRITERIA**

AS PER STA GUIDANCE

ITEM	DECLARATION	CRITERIA
1.1 BS EN 594 Racking Tests	Test	Essential
1.2 Fastener Practicality	Manufacture Declaration	Essential
1.3 Fastener Withdrawal Strength	Manufacture Declaration	Optional
1.4 Modulus of Rupture & Modulus of Elasticity	Manufacture Declaration	Optional
1.5 Shear, Tension & Compression	Manufacture Declaration	Optional
1.6 Partition Wall Impact	Test	Essential
2.1 Reaction to Fire	Test	Essential
2.2 Fire Resistance	Test	Optional
2.3 Radiant Heat Test – STA Small Room	Test	Essential
2.4 Ignition Test	Test	Essential
3.1 Thermal Conductivity	Manufacture Declaration	Optional
4.1 Sound Insulating Properties	Manufacture Declaration	Optional
5.1 Density at time of delivery	Manufacture Declaration	Essential
5.2 Moisture Content at time of delivery	Manufacture Declaration	Essential
5.3 Tolerance	Manufacture Declaration	Essential
5.4 Vapour Desisivity	Test	Essential
5.5 pH level of board at installation	Manufacture Declaration	Essential
5.6 Chemical Content of board	Manufacture Declaration	Essential
5.7 Leaching of chemicals (Cl or S)	Manufacture Declaration	Essential
5.8 Durability/Weathering Checks	Manufacture Declaration	Essential
5.9 Robustness	Manufacture Declaration	Essential
5.10 Internal Bond	Test	Essential
5.11 Expansion of board (RH Change)	Manufacture Declaration	Essential
5.12 Change in Thickness (RH Change)	Manufacture Declaration	Optional
5.13 Moisture absorption	Manufacture Declaration	Essential
5.14 Breather membrane requirements	Manufacture Declaration	Essential
5.15 Cladding Fitting	Manufacture Declaration	Optional
5.16 Environmental	Manufacture Declaration	Essential