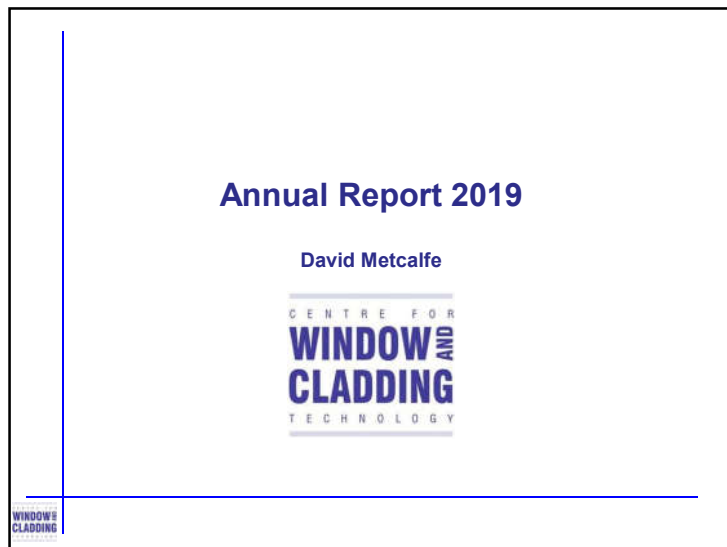


CWCT Members' meeting, 2019



2

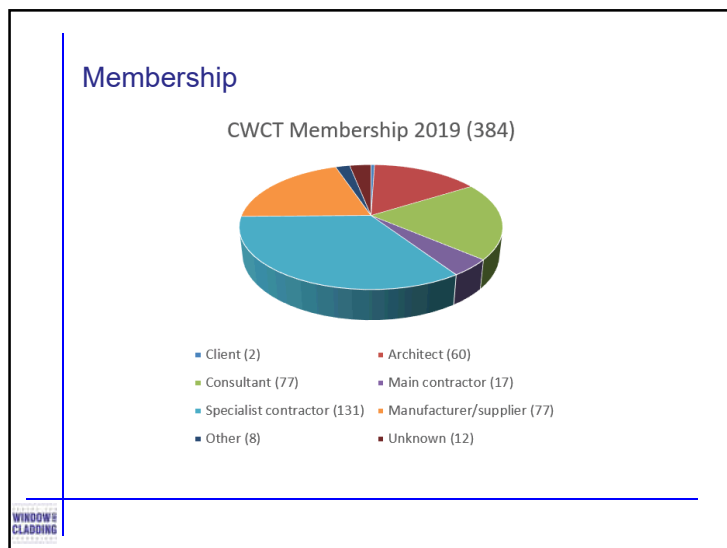
CWCT Annual Report 2019

- CWCT is 30 years old this year!
 - The industry has come along way in that time,

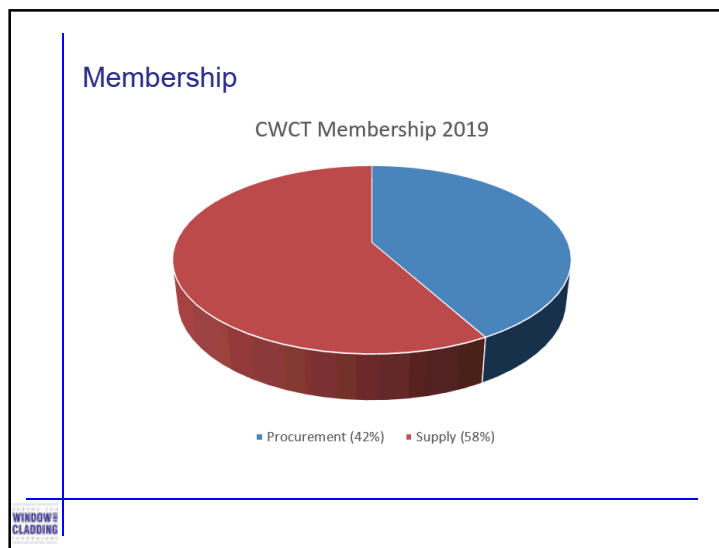
– Still lots to do.

WINDOW CLADDING TECHNOLOGY

3



4



5

CWCT Members' meeting, 2019

Sponsors of CWCT

- ALUK
- Arup
- Dovista A/S
- Façade & Glazing Solutions
- Hansen Facades
- Kawneer Europe
- Kuraray Trosifol
- Lend Lease Construction (EMEA) Limited
- M D Insurance Services Limited
- Meinhardt Façade Technology
- Sir Robert McAlpine
- SAPA Building Systems Limited
- Senior Architectural Systems
- Skanska Construction
- Stanmore Contractors
- Tremco-Ilbruck Limited
- Vinci Technology Centre
- Wintech Limited
- Yuanda (UK) Limited



6

Technical Work

- Technical Notes (in preparation)
 - TN100 – Testing of glass balustrades
 - TN101 – Defect investigations
 - Test samples
 - Condensation
 - Interfaces
- Technical Notes (to be updated)
 - TN67 – Safety and fragility of glazed roofing
 - TN68 – Overhead glazing.



7

Education and Training

- CTOL,
- Short courses,
- MSc in Façade Engineering.



8

CWCT Website

The screenshot shows the CWCT website interface. At the top, there are several small images representing different cladding types. Below these are two horizontal navigation menus. The first menu includes: About us, Publications, Courses, Membership, Research. The second menu includes: Forum, Design, Specification, Construction, Performance. Below the navigation is a 'Latest technical news' section with a list of articles:

- Technical news** - This page describes the conclusions of technical issues that have been discussed within the CWCT Technical Committee.
- Latest**
- Design**
- Site map**

The main content area displays several article titles:

- [The use of magnesium oxide \(MgO\) boards](#)
- [Clarification of IJ21 requirement for dynamic watertightness testing](#)
- [Preparations for powder coating on architectural aluminium](#)
- [Fire](#)
- [Revised method of heat soaking toughened glass](#)
- [Revised European curtain wall product standard BS EN 13830:2015](#)
- [CE marking of curtain wall brackets](#)
- [Deflection of glazing in windows and curtain walls](#)

The 'The use of magnesium oxide (MgO) boards' article is expanded, showing its text:

The use of magnesium oxide (MgO) boards
 In recent years the UK building envelope industry has witnessed the introduction of magnesium oxide (MgO) boards into the cladding sector, most typically as the sheathing board on SFS backing walls. MgO has been favoured because it is non-combustible (typically class A1 to EN 13501-1), relatively lightweight and easy to cut.

However, there are a number of manufacturing processes by which MgO boards can be manufactured, one of which involves the use of magnesium chloride. In high humidity conditions this can suffer from sweating/leaching releasing chloride which can cause corrosion of metal components, particularly brungs, in contact with the board. There have also been reports of timber in contact with the board being adversely affected.

[Click here to download the full document.](#)

Added on 10.07.2019
 No. of pages



9

CWCT Members' meeting, 2019

Society of Façade Engineering (SFE)

- Board Member for Education,
- Chair of SFE fire group.





International Awards for Façade Engineering Excellence
Project of the Year
<http://sfecompetition.org/>




10

Knowledge and experience

- External standards and advisory groups;
 - CEN TC33 WG6, B/538/6 – Curtain walling,
 - B/538/01 – Windows and doors,
 - B/209 – General building standards,
 - B/525/-/11 – Structural glass,
 - FSH/22/-/07 – Non loadbearing separating elements,
 - B/545 – Natural stone.
- Standing Committee on Structural Safety (SCOSS)
- Structural aspects of cladding (IStructE).



11

Research and development

- COST TU1403
- Adaptive Façades Network,
 - <http://tu1403.eu/>
- GHA overheating research,
 - <https://goodhomes.org.uk/overheating-in-new-homes>

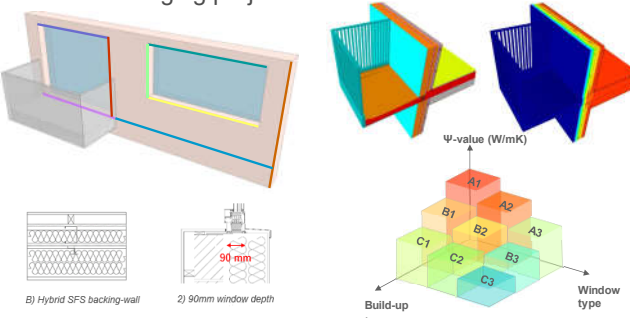




12

Research and development

- Thermal bridging project




ψ-value (W/mK)

Build-up type

Window type

B) Hybrid SFS backing-wall

2) 90mm window depth



13

CWCT Members' meeting, 2019

Research and development

- Research opportunities?
 - Funding available,
 - Collaboration,
 - Ideas/suggestions welcome.



14

Contact details

- If you have any comments/ideas etc, please get in touch;
 - david.metcalf@cwct.co.uk,
 - cwct@cwct.co.uk.



15