

Challenges:

Flat roofing and sustainability present several challenges but the most significant are material sustainability, short lifespan and limited recycling, and cost. Many traditional flat roofing materials are derived from fossil fuels; to combat this within its hot melt installation TFR Weatherproofing Ltd sources a low-carbon-impact hot melt that reduces the carbon footprint by 50 per cent compared with traditional offerings. Some roofing systems have a service life of only 15 to 25 years and are difficult or uneconomical to recycle when chemically bonded; to address this, one supplier provides a cradle-to-grave single-ply system that can be recycled upon renewal. The cost of sustainable solutions is also higher, as exemplified by the premium pricing of eco-friendly PIR insulation and the sustainable single-ply system due to the research and innovation invested by suppliers.

Impact:

A common theme in tackling sustainability is balancing product cost against client budgets; although clients express a desire for sustainable materials they may value-engineer back to less sustainable options once they see the price. TFR Weatherproofing Ltd has completed three Passivhaus projects, which reduce building energy use, yet clients often do not pursue certification due to rigorous reporting requirements. Through the School's resources TFR has deepened its understanding of sustainable products, responsible sourcing and the environmental benefits of low-impact materials. This enhanced awareness now underpins project design and delivery, ensuring sustainability remains at the forefront of their approach.

Engagement events:

TFR Weatherproofing Ltd has attended School webinars on topics such as ESG reporting and raising productivity; these were informative and engaging, featuring group participation that enabled insight from both hosts and peers. Knowledge gained at these events is shared with the wider team, fostering further discussion and expanding TFR's collective understanding of sustainability practices.

Assessments:

Assessments provide a score that benchmarks TFR Weatherproofing Ltd's performance across the School's various sustainability areas and allow for future reassessment to measure improvement. To enhance this process TFR suggests involving a member of the Supply Chain Sustainability School in assessments to ensure impartiality and facilitate discussion on the questions.

Action Plan:

The action plan has highlighted key modules for the wider team,

Fact box



Company

TFR Weatherproofing Ltd

No of employees

15

HQ

Cambuslang, Scotland

Website

Main contact

Gordon McCormack,
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Services

TFR offers supply & install of felt, Hot melt, single ply & liquid flat roofing systems along with roof finishes which include green roof, blue roof, PV, slabs, ballast and decking.

About

TFR Weatherproofing Ltd is a flat roofing sub-contractor specialist, which can act as principal contractor, with over 40 years' experience operating throughout Scotland and along the M62 corridor of England, providing a parapet-to-parapet solution to meet the needs of a variety of clients.

identifying knowledge gaps and assigning relevant learning to address them. This targeted approach benefits both TFR and individual team members by equipping them with skills that can be applied to projects and shared with clients.

E-learning modules

The e-learning modules provide excellent, relevant information that has enhanced the TFR team's knowledge. Team members who complete a module share their insights with colleagues, ensuring the entire team benefits. As a result, TFR has strengthened its sustainable credentials and is better positioned to support clients on their sustainability journeys.

Value gained:

Membership has prompted reflection on TFR Weatherproofing Ltd's own sustainability journey, providing access to expert insights and resources that would otherwise be unavailable. The School's tools have enhanced TFR's ability to meet clients' sustainability requirements, confer competitive advantage and strengthen its reputation. For example, TFR recently introduced the low-carbon hot melt system on a new project and invested in Passivhaus training so its team can deliver certified-standard roofing solutions that reduce building energy use.

Future proofing:

TFR Weatherproofing Ltd plans to continue using existing and new School resources, regularly assigning modules and webinars to team members to expand expertise. The company would welcome additional support with assessments, including more frequent impartial reviews to verify progress and stimulate dialogue on sustainability criteria.