

Important information for schools approved 2021 SWS Projects

School authorities, advised by their consultants, should be aware of the importance of compliance with Departmental guidance in respect of these projects, in particular TGD 021-7 as regards roofing works and all other applicable TGDS's and processes.

School authorities should also note the following in particular and where relevant to their application:

1. In relation to Flat Roofing:
 - a. It requires a 30 year manufacturer durability statement,
 - b. It requires a 20 year manufacturer insurance backed guarantee.
 - c. Schools must confirm compatibility with the existing roof finish/substrate,
 - d. It must comply with manufacturer's certification and guarantees.

2. In relation to pitched roofs:
 - a. These must be installed in accordance with the NSAI Code of Practice for Slating and Tiling, S.R. 82:2017 where relevant in relation to extreme environments and/or where wind speeds are outside the normal.
 - b. Roof Ventilation must be designed in compliance with TGD Part-F (2019) Section-2 Condensation in roofs.

3. Metal pitched roof finishes must have a service life span of a minimum of 40 years under normal conditions and other listed requirements.

4. Where such roof penetrations of existing services occur, all associated flashings and ancillary weathering components shall be of a similar performance and durability to the roof weathering material and must be compatible and installed as per the main roof manufacturers requirements.

5. Independent test reports and certification are required for each of the relevant performance criteria contained in Table 1. of TGD 021 - 7

6. The Design team must ensure only suitably qualified and trained personnel shall undertake installation of roofing systems and shall seek evidence of suitability and training directly from the roofing material manufacturer of such personnel.

7. The roofing manufacturer shall undertake periodic inspections during the installation. Upon completion of all roof construction elements, a mandatory final inspection and written report, with confirmations on the adequacy of construction, materials, finishes is required.

In addition to the above consultants, under Health and Safety legislation it is a legal requirement to appoint a competent person to act as Project Supervisor (Design) Process to oversee the health and safety requirements of the project and the client with the assistance of consultants must consider if BCAR is applicable.

School Authorities must be guided to the Department of Education's website for documents relating to the TGD's, Design Team Procedures and other supporting documents, including SMALL WORKS (Summer Works and small Devolved projects). These include the appointment of consultants and procedures to be followed including the tender process. The Department may from time to time update these on an ongoing basis which will require the school authority to ensure the most recent documents are being implemented. Any failure to comply with the requirements of the Department's Technical Guidance Documents, Processes or procedures to address the issues outlined above and or execute the works accordingly, may delay progression of your project at or prior to tender stage and on examination by officials in the Department of Education.

The Department's approach to decarbonisation includes a credible phased pathway to zero emissions. A key component is to ensure project investments are progressive and will not require dismantling /removal within their lifespan while having flexibility to avail of maturing technologies.

Bearing the above in mind it will be critical that any roof upgrade projects and window projects make provision for future external insulation applications with respect to roof overhangs, rainwater outlets, window frame thicknesses etc.

The following needs to be facilitated:

Roofs

Any roof upgrade projects should ensure that the new roof upgrade where feasible extends sufficiently over the external walls so as to facilitate the future application of up to 200mm of external wall insulation without having to alter the new roof, soffits or rainwater gutters.

Window Replacement Projects:

Where new windows are being installed in existing projects, the window design including window frame and opening sections should be designed and installed so that neither prevent the addition of external insulation in the future on the window reveals. Due care is required to ensure the window edge frame and opening sections can facilitate up to 30mm insulation/ render finish to eliminate thermal bridging.

Note in the case of all window replacement projects, the replacement window designs, opening sections, performance etc. must comply in full with the Departments TGD's and the design team must undertake a full fresh air and overheating analysis for the new window design in the existing teaching spaces. Windows must not simply be replaced on a like with like basis.

External drainage:

Where external drainage and gullies that are near the school building external walls are being replaced the gullies should be designed and installed so that they will not impede the future installation of external insulation up to 200mm thickness on the adjoining external wall. Drainage and rainwater downpipes can be fitted direct to the wall as usual but again

should be adequately designed with adequate joints so as to facilitate removal and refitting on new externally insulated walls if required in the future.

Services mounted on the school building façade served by cables.

It is the Consultants responsibility to ensure that any services mounted on the school building façade that are connected to either electrical or communication cables from within the building are provided by sufficient cable so as to facilitate removal and refitting on new externally insulated walls (with 200mm deep insulation) if required in the future. The additional cable should be installed in a safe and neat manner on the exterior of the building.

**Devolved Projects Section
Department of Education
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