Reinforced Autoclave Aerated Concrete (RAAC) in Aberdeenshire Schools – at 08 September 2023

School	Extent of RAAC identified	Impact on operational activity	Management/mitigation strategies in place and planned
Mackie Academy	**Area 1** - over Learning Plaza (former pool) and smaller PE/Gym spaces with area extending to 617sqm. **Area 2** - over Geography classes and 6th year common room with area extending to 430 sqm. Total extent of Siporex amounts to 1,047sq equating to 7% (total GIFA of school 14,781 sqm)	No impact on current operational activities	**Area 1** - Intrusive survey undertaken by Structural Engineers in February 2021 which included core samples for analysis etc. Survey, and analysis, recorded the steel reinforcement in Roof AAC appears to be in good condition. No corrosion noted. No instances of spalling or cracking were noted to the Roof AAC panels. No remedial action is required at the roof AAC panels or to the pre-stressed concrete rafters. In September 2023, Structural Engineers will be conducting further investigation to monitor installation and to assist in informing further inspection regime in-line with emerging IStructE guidance. **Area 2** - Initial inspections note installation as being sound with no evidence of cracking/spalling, water ingress or mid-span defection between planks etc. Further intrusive investigations to be undertaken in September 2023 by Structural Engineers to assess any actual deflection along with establishing end bearing configuration etc. to inform further activities including inspection regime in-line with emerging IStructE guidance
Westhill Academy	Area over Music Block extension with area extending to 281sqm equating to 2.76% (total GIFA of school 10,281sqm)	No impact on current operational activities	Initial inspections note installation as being sound with no evidence of cracking/spalling, water ingress or mid-span defection between planks etc. Further visual investigations undertaken over holiday period by Structural Engineers. Intrusive investigation undertaken 07.09.23 by Structural Engineer, in-line with IStructE guidance of April 2023, to establish end bearing lengths, reinforcement arrangements, and measure actual deflection. Initial assessment notes that end bearings are a minimum of 75mm with longitudinal and transverse reinforcement extending over end bearing, with any deflection in panels being calculated. **No remedial works are required at this time**. Installation will be subject to regular inspection as outlined in IStructE guidance.