



Precast Concrete Assembly

Precast concrete assembly includes all assembly activities including casting joints. Overlays on precast elements are not part of the assembly process for precast concrete, and come under in-situ concrete works.

Certification Class	Name of Certification Class	Background/Prior experience	Necessary supplementary courses	Experience	Type of experience
UPK3+E	Production and quality control manager for precast concrete assembly, execution class 3	Construction and Civil Engineering related to buildings and infrastructure, min 2 year; University, Engineering college, Vocational college.	U3 and U5	2 yrs	Construction site experience in execution class 3 – precast concrete assembly not required
				3.5 yrs	3 years' experience of execution class 2 plus 6 months of execution class 3 – precast concrete assembly not required
UK	Quality control manager for precast concrete assembly in all execution classes	Construction and Civil Engineering related to buildings and infrastructure, min 2 year; University, Engineering college, Vocational college.	U3 and U5	2 yrs	Work experience from a consulting engineering firm in all execution classes
UPK2+E	Production and quality control manager for precast concrete assembly in execution classes 1 and 2	Construction and Civil Engineering related to buildings and infrastructure, min 2 year; University, Engineering college, Vocational college.	U3 and U5	6 months	Construction site experience in all execution classes – precast concrete assembly not required
		Trade certificate or vocational training certificate relating to concrete work		None *)	
		Trade certificate or vocational training certificate from another area of construction (e.g. carpentry).		3 yrs	Construction site experience in execution classes 1, 2 and 3 – precast concrete assembly not required
UMKL	Assembly manager and quality control manager, execution classes 2 and 3	Construction and Civil Engineering related to buildings and infrastructure, min 2 year; University, Engineering college, Vocational college.	U5	1 yr	Experience of installing precast concrete elements required. At least precast concrete elements. The remainder may consist of up to 6 months as a site/project manager with on-site management experience or up to 6 months' experience of designing precast concrete elements.
UMFB	Assembly foreman and assembly tradesman ("bas") in execution classes 2 and 3	None	U5	5 yrs	Construction site experience with duties relating to approved trade certificates within construction or plate welding/welding. 50% of experience shall be from installing prefab systems with at least 12 months of that being from installing precast concrete elements.
		Trade Certificate: Building Assembly Trade		None *)	
		Trade Certificate: Concrete, Masonry, Timber		3 yrs	Minimum of 50% of the time from precast concrete assembly.
		Trade Certificate: Welding Trade		3 yrs	
		Trade Certificate: Crane and Lifting Operations Trade		3 yrs	
No relevant trade certificates	5 yrs				



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*) Covered by the educational qualifications

For welding activities, there are qualification requirements for the welding coordinator and welder/welding operator. The requirements for welding coordinators for load-bearing welded joints are specified in NS-EN ISO 17660-1, and for non-load-bearing welded joints they are specified in NS-EN ISO 17660-2 and NS-EN ISO 14731. The qualification requirements for welders/welding operators for load-bearing welded joints are specified in NS-EN ISO 17660-1, and for non-load-bearing joints they are specified in NS-EN ISO 17660-2.