

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. The installation of floor slabs (“plattendekker”) is treated as formwork and is included under in-situ concrete works, whereas the installation of double/twin walls (e.g. of the type “Con-Form”) is considered precast concrete assembly. Pouring concrete (filling wall formwork) is defined as 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	University, Engineering college, Vocational college (technical course relating to construction industry)	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	University, Engineering college, Vocational college (technical course relating to construction industry)	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	University, Engineering college, Vocational college (technical course relating to construction industry)	U3 and U5	6 months	Construction site experience in all execution classes – precast concrete assembly not required
				None *)	
				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	University, Engineering college, Vocational college (technical course relating to construction industry)	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	AAssembly 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		3 yrs	

*) 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.