

European Union — CPR + EN 12845 harmonisation

European Commission DG GROW; ECC (European Committee for Construction); CEN/TC 191

CE marking under CPR (305/2011) covers sprinklers, valves and pipes via harmonised standards (hENs). EN 12845 is the harmonised design standard; national overlays add insurance and AHJ requirements.

Scope

How the EU Construction Products Regulation (CPR) and EN 12845 interact across member states.

Scope of application

- All sprinkler component types covered by hENs require CE mark for placement on the EU market.
- Free movement principle but national insurance/AHJ regimes still apply.

Key documents

- Regulation (EU) 305/2011 (CPR) — Construction Products Regulation
- EN 12259-1 to -14 — Components — listed under CPR Annex ZA
- EN 12845 — Design standard
- EN 16925 — Residential sprinkler

Certification path

1. Use CE-marked components with valid DoP (Declaration of Performance)
2. Design per EN 12845 (or national equivalent: PN-EN, BS EN, NEN-EN, ÖNORM EN, etc.)
3. Apply national overlay (LPC, VdS, APSAD, CCV, etc.)
4. Local AHJ acceptance

Notable rules

- CE alone does NOT satisfy national approval — most member states layer VdS, APSAD, LPCB, BOSEC, etc. on top.
- Brexit: UKCA mark required for GB (England/Wales/Scotland); CE accepted indefinitely under current government policy.

Source: https://single-market-economy.ec.europa.eu/sectors/construction_en; <https://www.cencenelec.eu>