

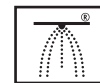
## A guide to supporting sprinkler systems



### APPLICATIONS

- Industrial companies
- High-bay warehouses
- Office buildings
- Logistics areas
- Public buildings and institutions
- Sales entities
- High-rises
- Underground garages
- Museums
- Congress and conference centres

### APPROVALS



Sign of conformity VdS CEA 4001 in concrete ceilings:



### DESCRIPTION

Sprinkler systems fall into the category of Active Fire Protection and could be considered as detection and suppression systems, which usually covers the complete floor plan. This means that sprinklers are usually installed in all rooms of a building and are designed in accordance with the actual fire hazard, the temperature - dependent opening of the sprinkler normally activates an acoustic sound and sends a signal to the fire control system. Over the past decade sprinkler systems extinguishing rates have been high and as a result are standard in some types of buildings.

In general, sprinkler systems are designed in accordance with the following standards: VdS CEA 4001 Section 15.2.4 Anchorage in Concrete Ceilings, FM 1951 Section 3.2 Technical & Constructional Properties, UL 203 Section 11.3 Pipe Hangers for Fire Protection Systems, NFPA 13 Section 9.1.3 Fixings in Concrete and or to EN 12845 which is an identical standard to CEA 4001.

### APPLICATION DATA

