

# Germany — VdS CEA 4001 + DIN 14489

VdS Schadenverhütung GmbH (Köln); DIBt (DIN); state Bauaufsicht

Most German insurers (HDI, Allianz, R+V) demand VdS CEA 4001 certified sprinkler installations. VdS is a private body but functionally mandatory for industrial risks.

## Scope

Sprinkler systems in Germany — VdS certification dominates the insurance route; DIN 14489 covers fire protection planning.

## Scope of application

- Industriebauten > 1600 m<sup>2</sup> floor area
- Hochregallager (high-bay storage) — almost always required by insurer
- Versammlungsstätten > 1000 persons
- Sonderbauten per state LBO

## Key documents

- VdS CEA 4001 — Sprinkler-Anlagen — Planung und Einbau (latest 2023)
- DIN EN 12845 — DIN EN 12845:2020-04
- DIN 14489 — Fire protection in buildings — planning
- MBO (Musterbauordnung) — Defines when fire-protection concept required

## Certification path

1. Brandschutzkonzept by certified Brandschutzplaner
2. Sprinkler design per VdS CEA 4001 (stricter than EN 12845 alone)
3. VdS-listed components only
4. VdS abnahme (acceptance) by VdS Schadenverhütung GmbH
5. Annual VdS inspection + Sachverständigenprüfung

## Notable rules

- VdS publishes its own component listings (VdS-anerkannt) — products without listing are typically refused.
- Sprinkler density 7.5 mm/min für LH ist von VdS streng — höhere als reines EN 12845.
- Each Bundesland has its own LBO (Landesbauordnung) with separate Sonderbauten rules.

Source: <https://shop.vds.de>; <https://www.din.de>