

Suitability of fire extinguishers:



- Powder
- Foam
- Water



Powder extinguisher with ABC powder Water and foam extinguisher

Fires involving solid materials, mainly of an organic nature, which normally form flames and embers on burning



- Powder
- Foam
- CO²



Powder extinguisher with BC and ABC powder Foam extinguisher CO² extinguisher

Fires involving liquids or melting materials



- Powder



Powder extinguisher with BC and ABC powder

Fires involving gases (e.g. propane, butane etc.)



- Powder



Powder extinguisher with D powder

Fires involving metals (e.g. magnesium, aluminum swarf)



- Foam



Fires involving fat and oil, extinguisher marked orange

DIN EN 3 provides for the following sizes: 1 kg, 2 kg, 3 kg, 4 kg, 6 kg, 9 kg, 12 kg

- The fire classes of fire extinguishers **have nothing** in common with the classification of building products to DIN 4102 and DIN EN 13501.
- The fire classes define **the suitability** of fire extinguishers for fires involving various materials, liquids or vapours that have caught fire.

Explanation of official designation of fire extinguishers:

DIN EN 3	Current European standard
6	Weight/charge in kg
PG	Code letter: In this case ABC powder

Table:

Designation	Extinguishing agent	Code letter
Water extinguisher	Water and aqueous solutions	W
Foam extinguisher	Foam	S
Powder extinguisher	ABC powder	PG
	BC powder	P
	D powder	PM
Carbon dioxide extinguisher	Carbon dioxide (CO ²)	K

Example of specified labeling to DIN EN 3:

FEUERLÖSCHER
12 Kg ABC-Pulver
43 A 183 B C

1 Ventil voll aufdrehen

2 Löschpistole betätigen

VORSICHT BEI ELEKTRISCHEN ANLAGEN. NUR BIS 1000 V; MINDESTABSTAND 1m

Nach jeder Betätigung neu füllen!
Löcher längstens alle 2 Jahre auf Einsatzbereitschaft überprüfen. Nur solche Lösch-Treibmittel und Ersatzteile verwenden, die mit dem anerkannten Muster übereinstimmen.

Löschmittel: 12 kg ABC Nr. der Anerkennung: DIN EN 3
 Treibmittel: 280 g CO₂ Typ: G 12 R

Funktionsbereich: -20 °C bis +60 °C

HERSTELLER: _____

NürnbergMesse recommends the use of a water or foam extinguisher if possible. If you use a powder fire extinguisher, there is a risk that all neighboring stands must be cleaned afterwards as the jet of powder cannot be controlled. Generally, all fire extinguishers provided must have been tested by an accredited expert. This must be shown on the fire extinguisher itself by means of a valid test label or tag.