

Die 27 Normalzementarten nach DIN EN 197-1

| Hauptzementarten | Bezeichnung der 27 Normalzemente | | Zusammensetzung [M.-%] ¹⁾ | | | | | | | | | | Nebenbestandteile [M.-%] ¹⁾ | |
|-------------------------|----------------------------------|-----------------|--------------------------------------|-------------|--------------|-----------|---------------------|--------------------|------------|---------------------|-----------|---|--|-----|
| | | | Hauptbestandteile | | | | | | | | | | | |
| | | | Portlandzementklinker | Hütten sand | Silica-staub | Puzzolane | | Flugasche | | Gebrannter Schiefer | Kalkstein | | | |
| | | | | | | natürlich | natürlich getempert | kiesel-säure-reich | kalk-reich | | | | | |
| K | S | D ²⁾ | P | Q | V | W | T | L | LL | | | | | |
| CEM I | Portlandzement | CEM I | 95-100 | - | - | - | - | - | - | - | - | - | 0-5 | |
| CEM II | Portlandhüttenzement | CEM II/A-S | 80-94 | 6-20 | - | - | - | - | - | - | - | - | 0-5 | |
| | | CEM II/B-S | 65-79 | 21-35 | - | - | - | - | - | - | - | - | 0-5 | |
| | Portlandsilicastaubzement | CEM II/A-D | 90-94 | - | 6-10 | - | - | - | - | - | - | - | 0-5 | |
| | Portlandpuzzolan-zement | CEM II/A-P | 80-94 | - | - | 6-20 | - | - | - | - | - | - | - | 0-5 |
| | | CEM II/B-P | 65-79 | - | - | 21-35 | - | - | - | - | - | - | - | 0-5 |
| | | CEM II/A-Q | 80-94 | - | - | - | 6-20 | - | - | - | - | - | - | 0-5 |
| | | CEM II/B-Q | 65-79 | - | - | - | 21-35 | - | - | - | - | - | - | 0-5 |
| | Portlandflugasche-zement | CEM II/A-V | 80-94 | - | - | - | - | 6-20 | - | - | - | - | - | 0-5 |
| | | CEM II/B-V | 65-79 | - | - | - | - | 21-35 | - | - | - | - | - | 0-5 |
| | | CEM II/A-W | 80-94 | - | - | - | - | - | 6-20 | - | - | - | - | 0-5 |
| CEM II/B-W | | 65-79 | - | - | - | - | - | 21-35 | - | - | - | - | 0-5 | |
| Portlandschiefer-zement | CEM II/A-T | 80-94 | - | - | - | - | - | - | - | 6-20 | - | - | 0-5 | |
| | CEM II/B-T | 65-79 | - | - | - | - | - | - | - | 21-35 | - | - | 0-5 | |

| Hauptzementarten | Bezeichnung der 27 Normalzemente | | Zusammensetzung [M.-%] ¹⁾ | | | | | | | | | | Nebenbestandteile [M.-%] ¹⁾ | |
|------------------|--------------------------------------|-----------------|--------------------------------------|-------------|--------------|-----------|---------------------|--------------------|------------|---------------------|-----------|-------|--|-----|
| | | | Hauptbestandteile | | | | | | | | | | | |
| | | | Portlandzementklinker | Hütten-sand | Silica-staub | Puzzolane | | Flugasche | | Gebrannter Schiefer | Kalkstein | | | |
| | | | | | | natürlich | natürlich getempert | kiesel-säure-reich | kalk-reich | | L | LL | | |
| K | S | D ²⁾ | P | Q | V | W | T | L | LL | | | | | |
| CEM II | Portlandkalksteinzement | CEM II/A-L | 80-94 | - | - | - | - | - | - | - | - | 6-20 | - | 0-5 |
| | | CEM II/B-L | 65-79 | - | - | - | - | - | - | - | - | 21-35 | - | 0-5 |
| | | CEM II/A-LL | 80-94 | - | - | - | - | - | - | - | - | - | 6-20 | 0-5 |
| | | CEM II/B-LL | 65-79 | - | - | - | - | - | - | - | - | - | 21-35 | 0-5 |
| | Portlandkompositzement ³⁾ | CEM II/A-M | 80-94 | ← 6-20 → | | | | | | | | | | 0-5 |
| | | CEM II/B-M | 65-79 | ← 21-35 → | | | | | | | | | | 0-5 |
| CEM III | Hochofenzement | CEM III/A | 35-64 | 36-65 | - | - | - | - | - | - | - | - | - | 0-5 |
| | | CEM III/B | 20-34 | 66-80 | - | - | - | - | - | - | - | - | - | 0-5 |
| | | CEM III/C | 5-19 | 81-95 | - | - | - | - | - | - | - | - | - | 0-5 |
| CEM IV | Puzzolan-zement ³⁾ | CEM IV/A | 65-89 | - | ← 11-35 → | | | | | - | - | - | 0-5 | |
| | | CEM IV/B | 45-64 | - | ← 36-55 → | | | | | - | - | - | 0-5 | |
| CEM V | Komposit-zement ³⁾ | CEM V/A | 40-64 | 18-30 | - | ← 18-30 → | | | - | - | - | - | 0-5 | |
| | | CEM V/B | 20-38 | 31-50 | - | ← 31-50 → | | | - | - | - | - | 0-5 | |

1) Die Werte in der Tabelle beziehen sich auf die Summe der Haupt- und Nebenbestandteile.

2) Der Anteil von Silicastaub ist auf 10 % begrenzt.

3) In den Portlandkompositzementen CEM II/A-M und CEM II/B-M, in den Puzzolanementen CEM IV/A und CEM IV/B und in den Kompositzementen CEM V/A und CEM V/B müssen die Hauptbestandteile außer Portlandzementklinker durch die Bezeichnung des Zementes angegeben werden.