KEY FACTS & FIGURES
Source: CEMBUREAU data collection unless stated otherwise

PRODUCTION & CONSUMPTION

2021 production: 182.5 Mt
2021 Consumption: 170.5 Mt

Per capita:
- CO2 emissions: 381 Kg
- Employment: 260

2021 Consumption:
- 195 Mt
- 4.3 Bt

Source: CEMBUREAU

Turning over 2020:
- Cement + clinker: 20.1 B€
- Concrete + mortar: 62.5 B€
- Construction: 1,602 B€

Source: GCCA

Employment 2021:
- Jobs (directly employed): 39,258
- Construction: 13.9 M

Source: Eurostat

Gross value added 2020:
- Cement + clinker: 7.3 B€
- Concrete + mortar: 18.7 B€
- Construction: 659.8 B€

Source: Eurostat

Emissions:

- CO2 Emissions Reduction:
  - Per tonne cementitious / gross:
    - 1990-2020: -14%
    - 2005-2020: -7%
  - Per tonne clinker (EU-ETS benchmark):
    - 1990-2020: -11%
    - 2005-2020: -7%

Source: GCCA

CEMBUREAU region (EU + Norway, Serbia, Switzerland, UK) - EU27 = countries in the EU
WORLD CEMENT PRODUCTION IN 2021

- China: 55.9%
- India: 8.1%
- USA: 2.2%
- Africa: 5.2%
- Oceania: 4.5%
- CIS: 2.6%
- Europe: 1.8%
- Turkey: 0.4%
- CEMBUREAU EU27: 4.1%
- CEMBUREAU non EU27: 0.3%

Total: 4.3 Bt


EVOLUTION OF CEMENT CONSUMPTION IN CEMBUREAU COUNTRIES

Variation 2021/2020 (%)

- Greece: 9.3%
- Spain: 15.5%
- Italy: 15.5%
- Croatia: 21.6%
- Slovakia: 21.6%
- Serbia: 10.9%
- Bulgaria: 1.5%
- Greece: 9.3%
- Portugal: 8.9%
- France: 8.8%
- Switzerland: 0.7%
- Luxembourg: 5.4%
- Belgium: 13.1%
- Netherlands: 2.5%
- UK: 19.1%
- Ireland: 7.5%
- Denmark: 5.2%
- Poland: 3.5%
- Germany: -3.2%
- Austria: 13.9%
- Hungary: 27.2%
- Croatia: 21.6%
- Slovenia: 0.7%
- Slovak Rep.: -3.2%
- Czech Rep.: 8.0%
- Lithuania: -3.2%
- Latvia: 9.9%
- Estonia: 22.2%
- Sweden: -6.9%
- Finland: 3.9%
- Cyprus: -3.2%
- Korea: 1.3%
- Japan: 13.7%
- Asia (excl. China, Japan, India): 4.5%
- America (excl. USA): 4.5%
- Europe: 2.5%
- Oceania: 2.6%
- CIS: 0.4%
- CEMBUREAU non EU27: 1.8%

Source: CEMBUREAU data collection
CEMENT PRODUCTION & CONSUMPTION
EU 27 & CEMBUREAU / 2000-2021

Source: CEMBUREAU data collection

CEMENT+CLINKER IMPORT/EXPORT AT EU27 BORDER

Source: Eurostat
**PACKAGING EU27 DOMESTIC DELIVERIES 2021**

- **Bag**: 11%
- **Bulk**: 89%

**TRANSPORT MODES EU 27 DOMESTIC DELIVERIES 2021**

- **Road**: 76%
- **Waterway**: 19%
- **Rail**: 5%

**END USES EU27 CEMENT CONSUMPTION 2021**

- **Unknown**: 28%
- **Civil engineering renovation**: 1%
- **Civil engineering new**: 25%
- **Residential building new**: 22%
- **Building renovation**: 4%
- **Non-residential building new**: 20%

**END USERS EU27 DOMESTIC DELIVERIES 2021**

- **Other**: 26%
- **Readymix**: 56%
- **Precast**: 18%
GROSS EMISSIONS
GREY CLINKER - CEMENTITIOUS PRODUCTS

EMISSIONS GREY CLINKER

EMISSIONS CEMENTITIOUS PRODUCTS (GREY & WHITE)

Source: GCCA GNR 2022 gross emissions
EMISSIONS
CIRCULAR WASTE FUELS

CIRCULAR WASTE FUELS IN THE CEMENT SECTOR IN THE EU

Million tonnes

% OF THERMAL ENERGY FROM CIRCULAR WASTE FUELS
IN THE CEMENT SECTOR IN THE EU

Source: Global Cement & Concrete Association (GCCA)
CO2 EMISSIONS AVOIDED BY USING CIRCULAR WASTE FUELS IN EU

- Source: Global Cement & Concrete Association (GCCA)

THERMAL ENERGY CONSUMPTION BY FUEL TYPE FOR THE YEAR 2020

- Source: Global Cement & Concrete Association (GCCA)
UPDATE 2020 DATA: FOSSIL FUELS USE IN THE EU

- Petcoke: 62%
- Coal: 25%
- Heavy Fuel: 1%
- Lignite: 9%
- Others (Natural Gas, Shale, Diesel Oil): 3%

Source: Global Cement & Concrete Association (GCCA)
EMISSIONS
DUST-SO2-NOX / CLINKER PRODUCTION

Dust emission/clinker production

SO2 emission/clinker production

NOx emission/clinker production

CENBUREAU
The European Cement Association
SAFETY KPI FOR DIRECTLY EMPLOYED IN EU27 COUNTRIES (PER MILLION MAN HOURS)