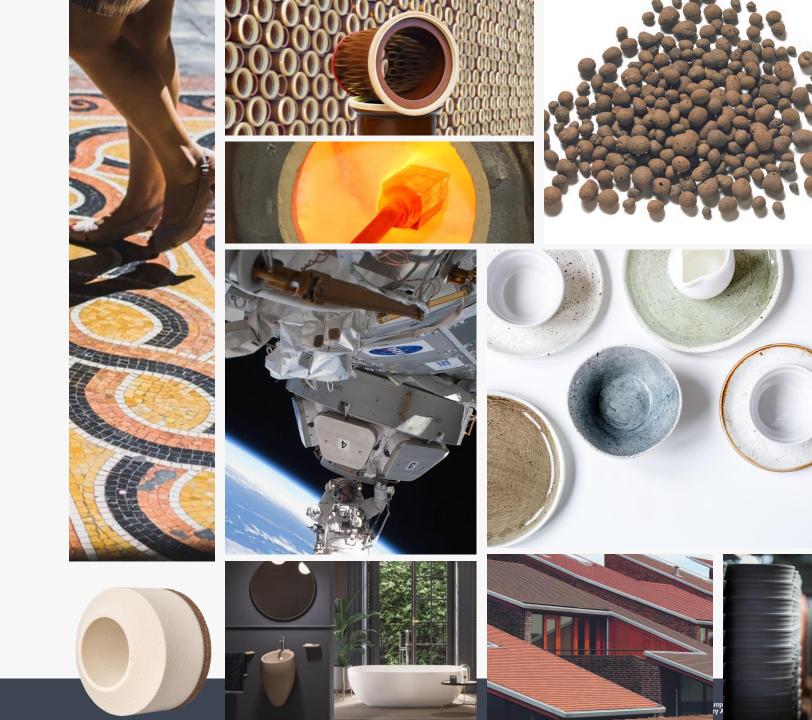
Cerame-Unie

Decarbonisation needs and challenges for the ceramic industry at the EU level DKG Kolloquium

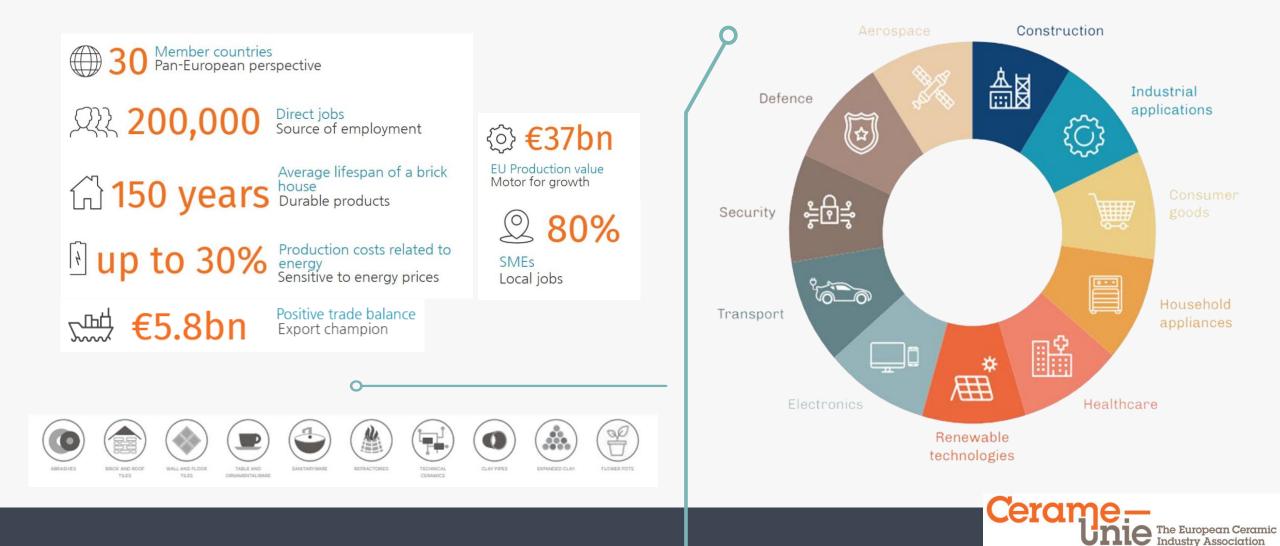
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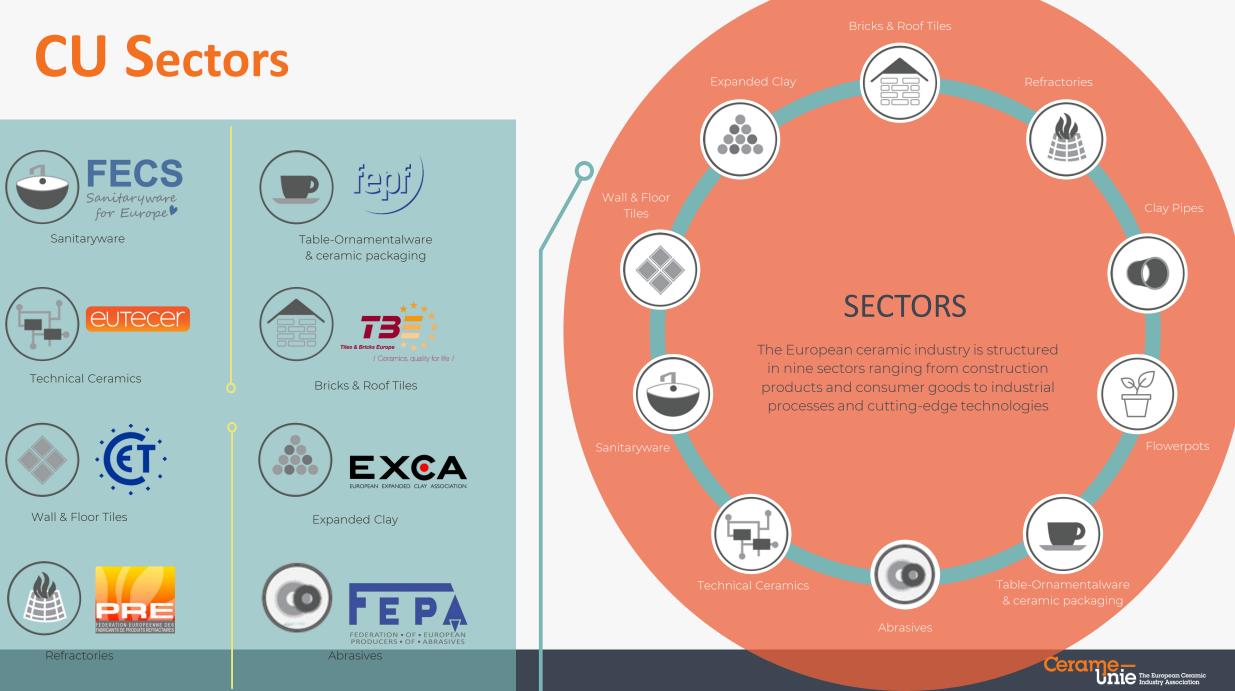




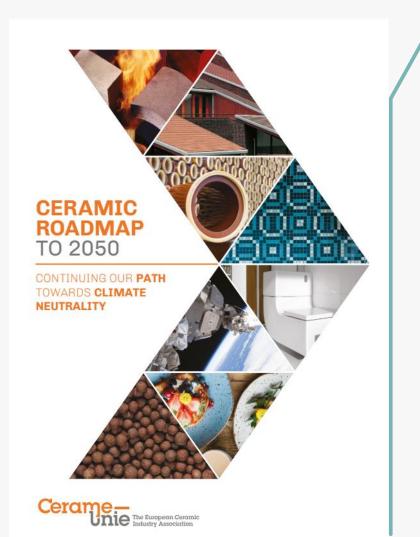
Why ceramics matter?

CERAMIC APPLICATIONS





Decarbonisation pathway for the EU Ceramic Industry towards carbon neutrality in 2050



Most significant CO₂ reduction before 1990 – phased out coal;

The EU Ceramic Industry reduced its CO₂ emissions by 45% since the years 2000s;

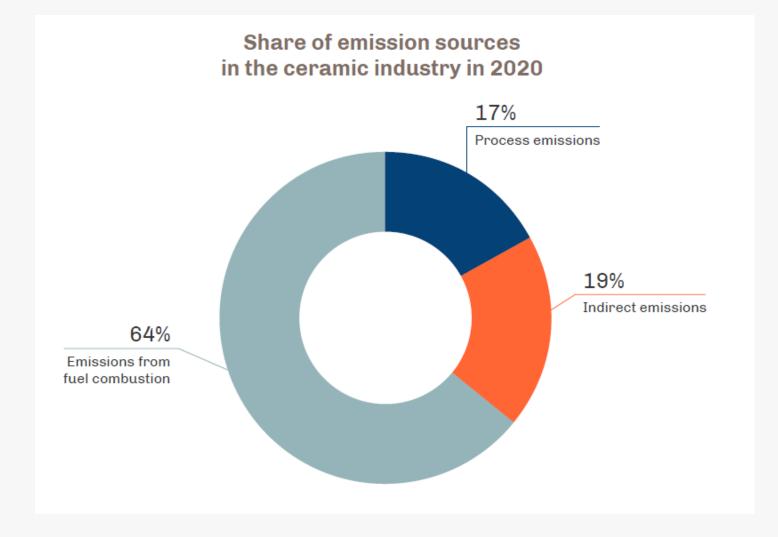
First Ceramic Roadmap to 2050 published in 2012:
 reduction by 68% by 2050;

New Ceramic Roadmap, published in 2021, shows what <u>climate neutrality</u> means for EU Ceramics:

- Technologies & decarbonised energy required
- Abatement costs
- Policy requirements conditionalities

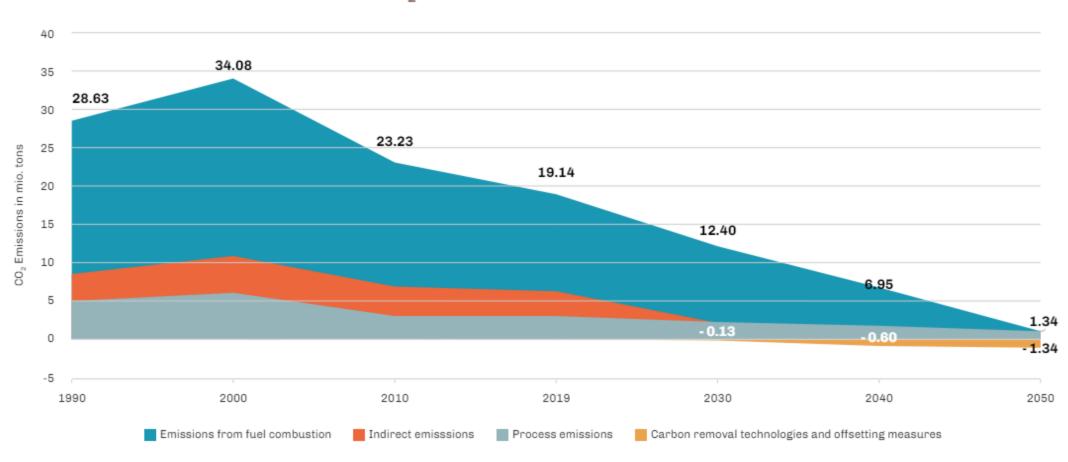


New CO2 mix in the ceramic industry





Decarbonisation pathway for the EU Ceramic Industry towards carbon neutrality in 2050



CO₂ REDUCTION PATHWAY

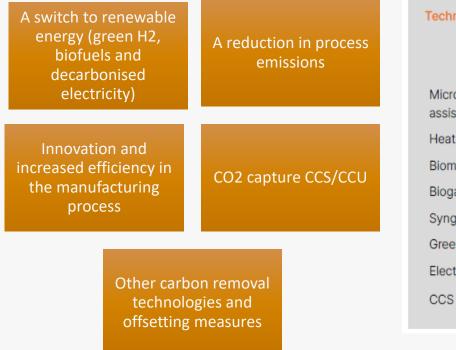
Source: Cerame-Unie

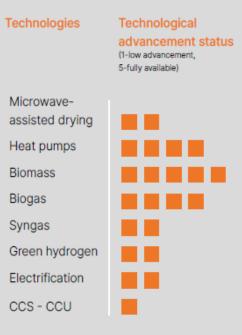
Cerange The European Cer Industry Associat

Decarbonisation pathway for the EU Ceramic Industry towards carbon neutrality in 2050

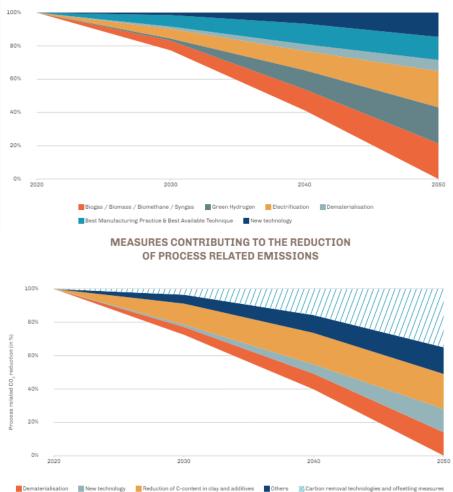
Our **emissions reduction model** combines a range of measures to achieve gradual reduction of emissions to reach carbon neutrality by 2050.

These include:

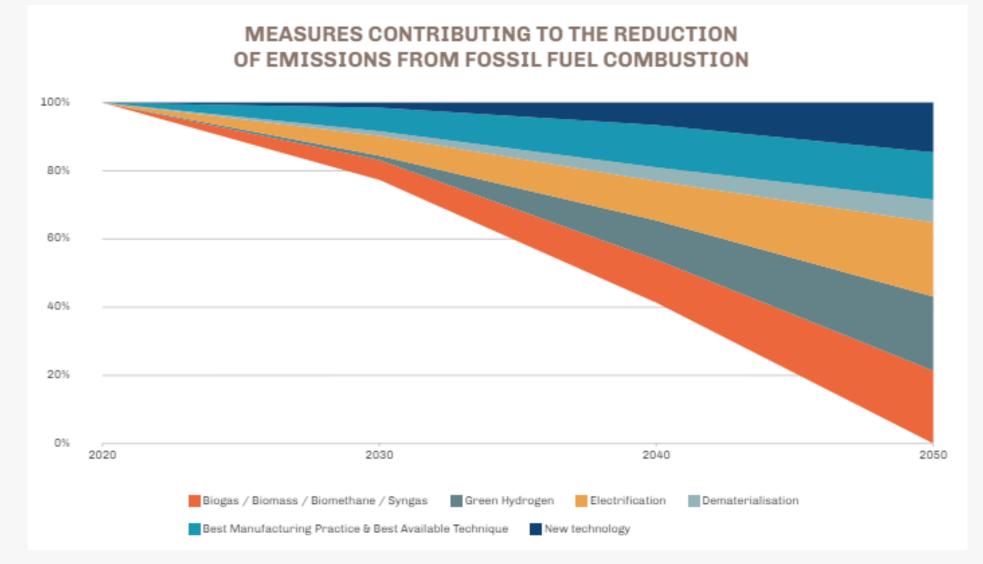






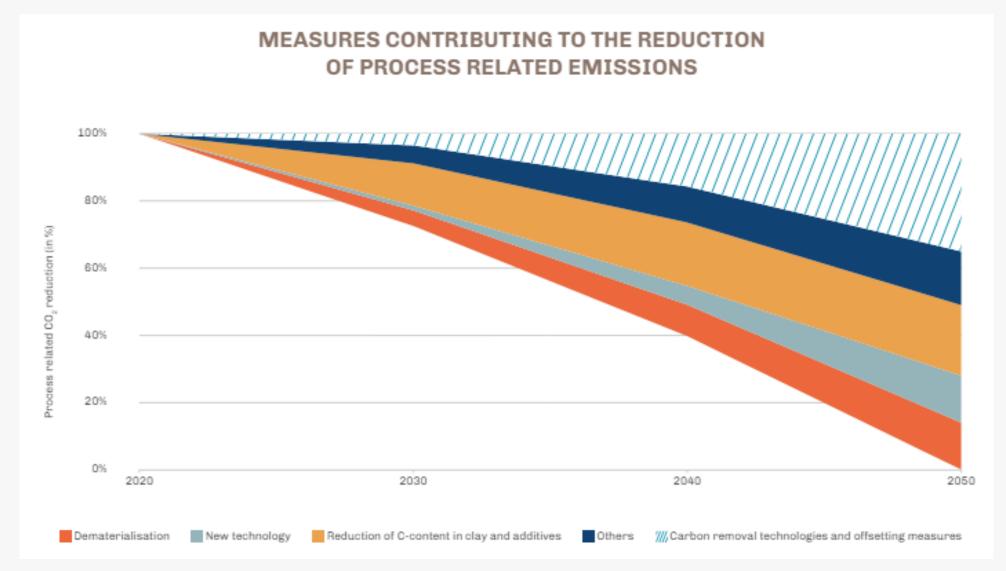


Decarbonisation pathway for the EU Ceramic Industry towards carbon neutrality in 2050



Ceranne — Industry Association

Decarbonisation pathway for the EU Ceramic Industry towards carbon neutrality in 2050



Conditions for the successful implementation of the Ceramic Roadmap

- To achieve carbon neutrality by 2050, the EU Ceramic Industry needs access to alternative energy sources;
- These amounts are not available to the Industry, currently. Infrastructure
 & right legal and policy framework are crucial for their supply.

TABLE OF ALTERNATIVE ENERGY NEEDS DERIVED FROM EMISSIONS REDUCTIONS

Year	Total energy need (TJ)	Biogas (TJ)	Green Hydrogen (TJ)	Green electricity (TJ)	Green electricity (Gwh)
2030	196,350.76	12,836.07	2,852.46	12,836.07	3,565.86
2040	166,911.25	27,811.48	25,315.58	25,315.58	7,032.67
2050	140,087.35	47,065.59	47,778.70	47,778.70	13,272.92



Conditions for the successful implementation of the Ceramic Roadmap

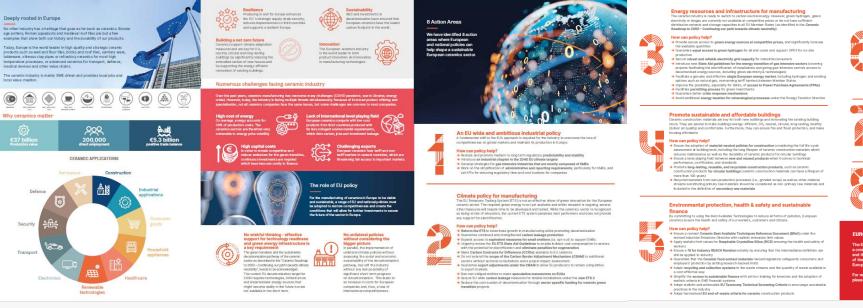


Continuing our Path towards Climate Neutrality Continued & sufficient carbon leakage protection;

- Carbon price should not be affected by market speculation from investors not covered by EU ETS;
- Stable & reliable legal framework to support long-term investments;
- Secure infrastructure & stable supply of green energy; also for multi-sites companies, small emitters, located in remote areas;
- Green energy at competitive price & better mechanisms to cope with energy crisis;
- Sufficient financial support & full access to sustainable finance.

Ceramic Manifesto 2024-2029





Ensuring a level playing field through effective trade policy and a functioning internal market. To maintain the competitiveness of the industry, which is 2002 had a positive trade balance of #3.5km, a rest-based international order manues could be parate that all By produces can benefit from

a side-basis formeruption prior manifes could be exame that all EX produces a cale hand from a debin large fact.
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Effective support for Research & Innovation for all ceramic producers Access & Longean Mode in RB is becoming torreasingly difficult for SME-boased and heterog houtwill sectors uch as ceramics.

environmental and social standards

House an exception for an international final in the locating inclusion graduate and induction of the same booleaned and inductions.
 How can policy help?
 Overlop dedicated funds reserved for specific industries such as ceramics.

How can policy help? • Device backstand how an exerved for specific industries cost as contracts • Device backstand how an exerved for specific industries cost as contract, • Device the specific of BII projects above TRUE more like to load to large-tools apply most • Sections thanking for BII projects above TRUE more like to load to large-tools apply most • Sections thanking to the specific of BII projects above TRUE more like to load to large-tools apply most • Sections thanking to the specific of BII projects above the TSI involved tool tool (how top one) • Sections thanking to advect the requested goals, an not yet available in the market

Skills for manufacturing Ajatransito is a clear-exara, exiler economy can only be achieved by providing clasers with the necessary salidistance quadrations for force yob profiles. How can policy help? A Access to explicit help dependenties to support the updatileg & reskilling

 Alignment between Academia curricula and skills requirements of EU manufacturing Stronger collocation opportunities between industry, research it training instructures Pealtive communication and promotion of EU manufacturing industries to younger people

EUROPEAN PARLIAMENT CERAMICS FORUM – JOIN NOW!

The European Parliament Ceramics Forum (EPCF), which dates back to the 1994-1999 EP, is a cross-party discussion group whose aim is to facilitate dialogue between the European Institu and the ceramic industry, on all relevant policy development. EPCF participants include Membe of the European Parliament, officials from the European Commission, representatives from the European ceramic lossitors and trade unloss.

EPCF

or more information on how to become involved, lease visit www.epcf.eu

CERAMIC MANIFESTO

29-23

ENSURING EUROPE'S SUSTAINABILITY WITH CERAMIC MANUFACTURING

Cerange The European Ceremic Industry Association

Ceranne -The European Ceramic Industry Association

The ceramic industry faces numerous challenges





Our 6 key policy priorities





Climate & Energy: Policy Priorities

Climate policy for manufacturing



How can policy help?

- **Reform the ETS to incentivise growth** in manufacturing while promoting decarbonisation
- Guarantee continued and strengthened carbon leakage protection
- Expand access to equivalent measures for small emitters (i.e. opt-out) to support SMEs
- Urgently **review the EU ETS State Aid Guidelines** to enable indirect cost compensation to sectors with the potential for electrification and eliminate penalties for cogeneration
- Make Carbon Contracts for Difference (CCfDs) available to EU ceramics
- Do not extend the scope of the Carbon Border Adjustment Mechanism (CBAM) to additional sectors without sectoral consultations and a proper impact assessment
- Guarantee export adjustments under the CBAM to allow EU producers to remain competitive in export markets
- Ban non-obliged entities to make speculative manoeuvres on EUAs
- Reduce the cost burden of decarbonisation through **sector specific funding for ceramic green transition projects**



Climate & Energy: Policy Priorities

Climate policy for manufacturing



How can policy help?

- Provide secure access to green energy sources at competitive prices, and significantly increase the available quantities.
- Guarantee equal access to green hydrogen for all end-users and support OPEX for on-site production.
- Secure **robust and reliable electricity grid capacity** for industrial consumers **also in remote areas.**
- Introduce new **State Aid guidelines for the energy transition of gasintensive sectors** (covering projects facilitating the electrification of installations and giving gas-intensive sectors access to decarbonised energy sources, including green electricity & technologies).
- Facilitate a **genuine and effective single European energy market**, including hydrogen and existing options such as natural gas, overcoming tariff barriers between Member States.
- Improve the possibility, especially for SMEs, of access to Power Purchase Agreements.
- Facilitate permitting process for green investments.
- Guarantee better crisis response mechanisms.
- Avoid additional energy taxation for mineralogical processes under the Energy Taxation Directive.



New legislative term - expectations

More focus on industrial competitiveness:

- Following Mario Draghi Report on the Future of EU Competitiveness
- Root causes of the competitiveness gap of the EU energy-intensive industries identified as:
 - 1. High energy prices
 - 2. High emission costs
 - 3. Relevant investment needs to decarbonize
 - 4. An **unlevel playing field** and complex regulation
 - 5. Untapped potential from **circularity**



Cerange The European Ceramic Industry Association

Clean Industrial Deal – first 100 days



Teresa Ribera Rodríguez

Portfolio: Executive Vice-President for Clean, Just and Competitive Transition

More information

- Biography
- Mission letter to Teresa Ribera Rodríguez



Wopke Hoekstra

Portfolio: Commissioner for Climate, Net Zero and Clean Growth

More information

- Biography
- Mission letter to Wopke Hoekstra

Dan Jørgensen

Portfolio: Commissioner for Energy and Housing

- More information
- Biography
- Mission letter to Dan Jørgensen



Stéphane Séjourné

Portfolio: Executive Vice-President for Prosperity and Industrial Strategy

More information

- Biography
- Mission letter to Stéphane Séjourné



Jessika Roswall

Portfolio: Commissioner for Environment, Water Resilience and a Competitive Circular Economy

More information

- Biography

- Mission letter to Jessika Roswall



Vielen Dank für Ihre Aufmerksamkeit!

