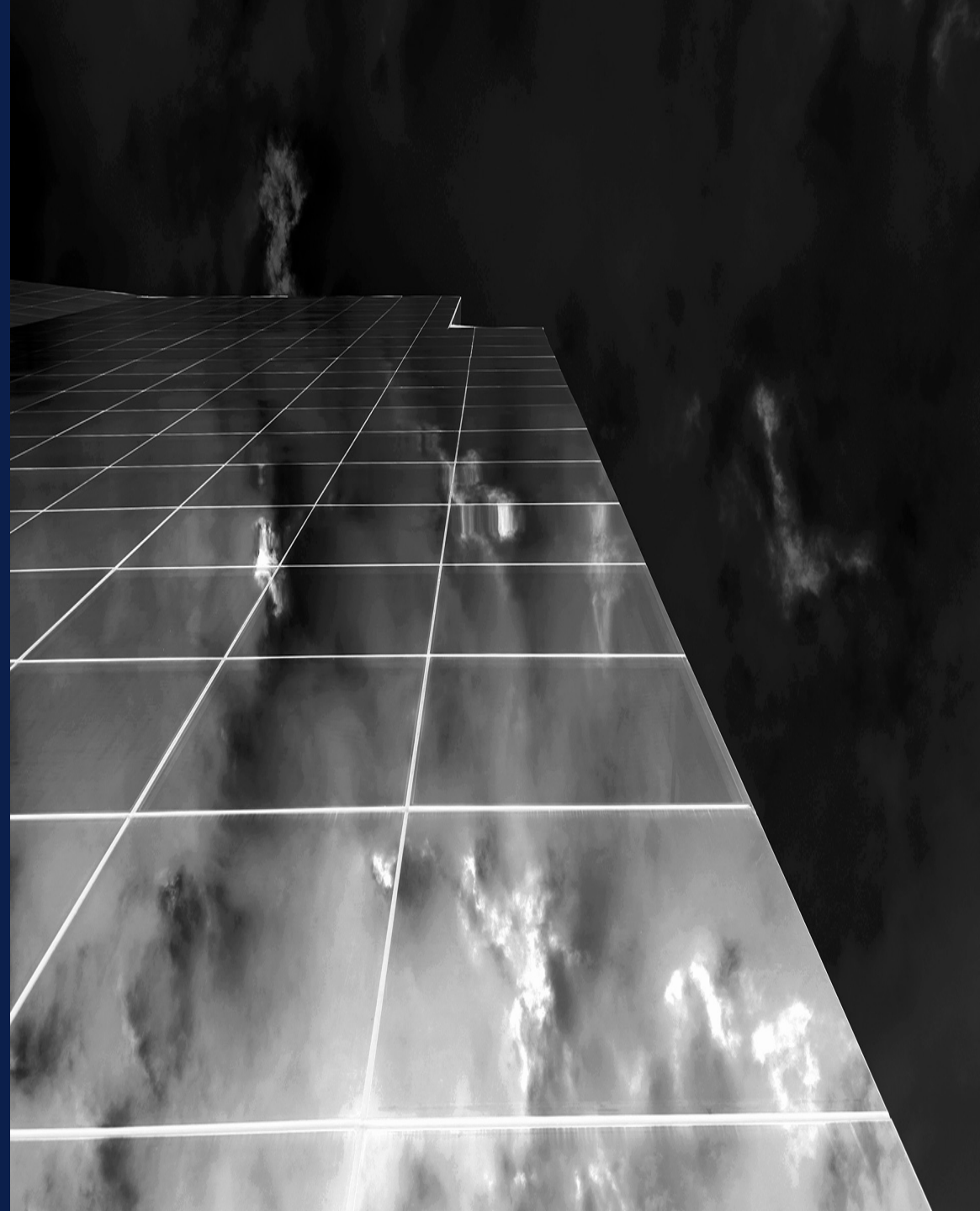
PURE-CHEM

COMPANY PROFILE

Excellence in Chemistry, from research to production

Protective products, tailor-made R&D, scale-up and private label manufacturing

Urgnano (BG) – Italy



About us

2022

year founded

2

pilot plants for complete scale-up

- In partnership with Europizzi S.r.l.
- Chemical manufacturing of protective products
- R&D for optimisation and tailor-made products
- Well-equipped chemical laboratory
- Private label manufacturing



The production site

A spin-off of Europizzi S.r.l. for non-textile markets, PURE-CHEM has:

110
employees

84,000 m²
total area

36,000 m²
covered area



PRODUCTION DEPARTMENT

- **Stainless steel or glass-lined reactors:** from 1,000 to 11,000 litres
- **Mixers:** from 500 to 20,000 litres
- **Dedicated neutralisers, storage tanks:** for raw materials and finished products
- **Filter press:** latest generation

CERTIFICATIONS

What we do



Main chemical reactions performed

Polymerisations
of various types

Esterifications
at low and high temperatures (up to 230 °C) under inert nitrogen

Amidations

Transesterifications

Sulphonations

Quaternisations
reactions with monochloroacetic acid

Pressure emulsions
up to 7 bar

Micro and macro emulsions
cold and hot, with Cowles or Ultra-Turrax



MARKETS

Application sectors

- Building and construction
- Marine
- Automotive
- Aerospace
- Wind energy
- Railway
- Photovoltaic panels

Product range

- Cleaning products
- Natural and synthetic wax dispersions
- Silane, siloxane and silicone emulsions
- Water and oil repellents
- Paint additives
- Powder additives for concrete
- **High-tech coatings**



Laboratories





Well-equipped chemical laboratory

R&D for optimisation and tailor-made products

Full scale-up on 2 pilot plants

Equipment



AVAILABLE INSTRUMENTS

Climatic chamber

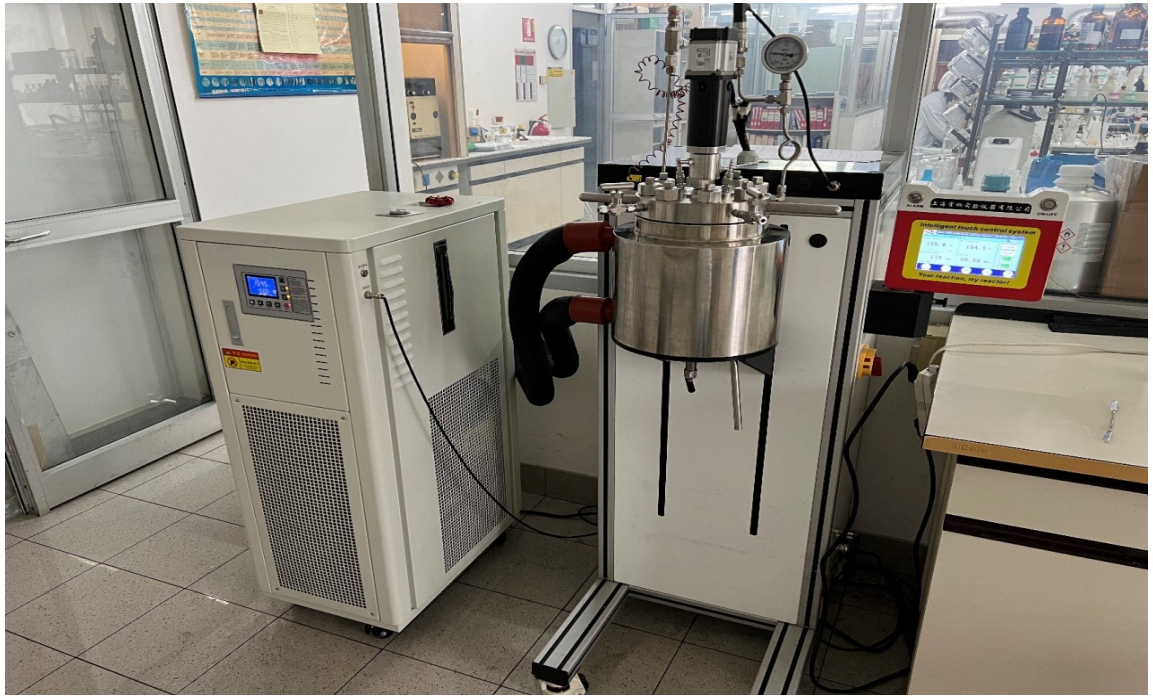
Testing under controlled temperature and humidity

QUV

Accelerated weathering with UV light and condensation

Pilot plants

Two pilot plants to move from laboratory to production with a full scale-up.



VOLUME **2 litres**



VOLUME **60 litres**

Production plants





REACTORS

1,000 – 11,000

litres capacity, stainless steel or glass-lined

Esterifications up to 230 °C under nitrogen atmosphere

Production plants

MIXERS

500 – 20,000

litres capacity

With dedicated neutralisers and latest-generation filter press





Where we are



HEADQUARTERS

PURE-CHEM

Via Provinciale 455

24059 Urgnano (BG)

Italy