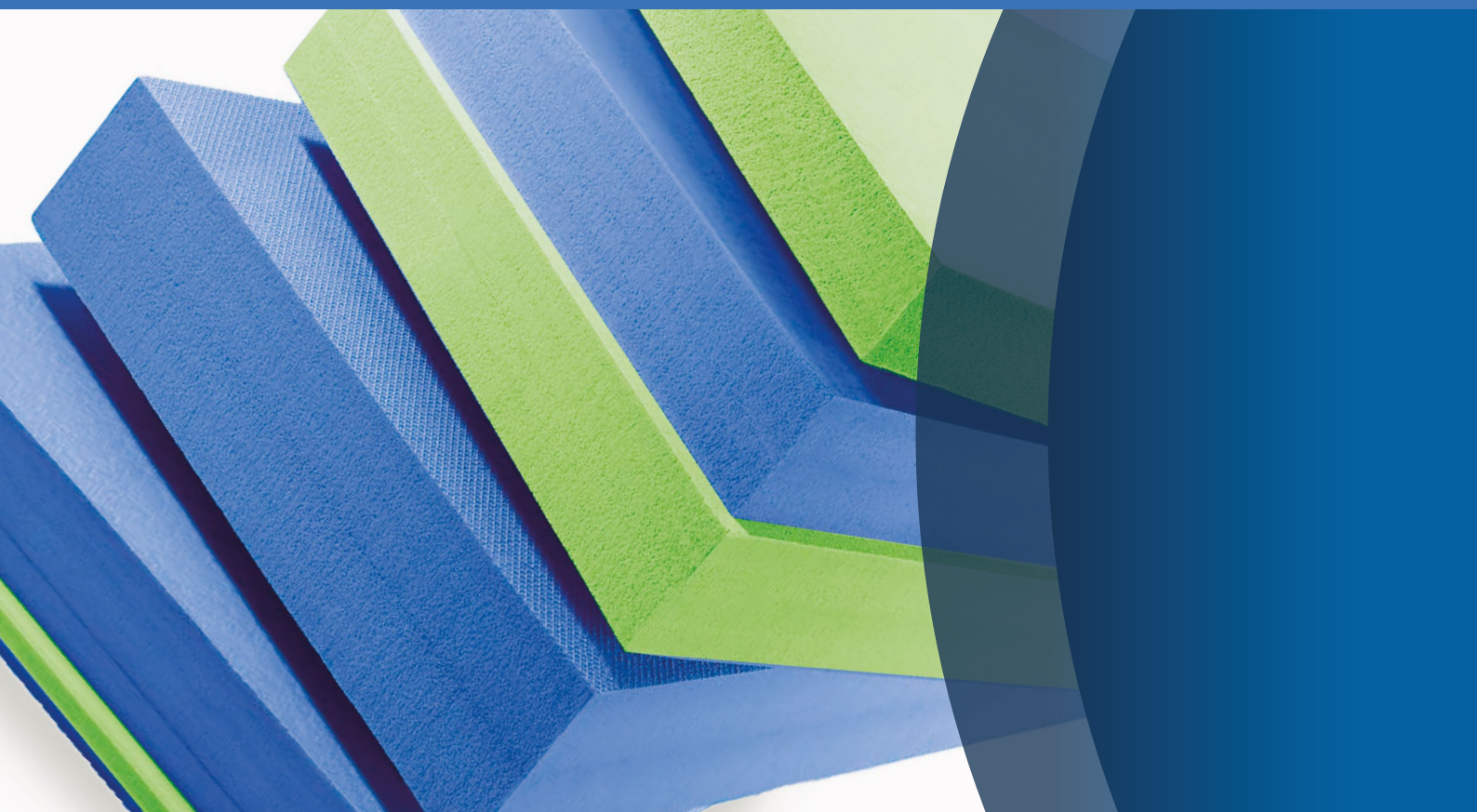




ADDITIVES FOR **XPS**

GREENCHEMICALS SOLUTIONS

XPS • EXTRUDED POLYSTYRENE FOR BUILDING AND INSULATION

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Who We Are

Greenchemicals S.r.l. is an Italian company highly specialized in flame retardant additives, with a particular focus on the development of halogen-free formulations and those with low environmental impact. Greenchemicals S.r.l. has always been considered a reliable global partner in the field of plastic additives.

Greenchemicals' products comply with REACH, CLP, SVHC, Food contact, ROHS requirements, if applicable.

ABOUT GREENCHEMICALS

- Founded in 2010 by Micaela Lorenzi
- **Headquarters in Desio – Italy;** fully owned companies:
Polichem S.r.l. (Garlasco, ITALY) and
Greenchemicals SA (Lugano, SWITZERLAND)



- Specialized in flame retardant formulations, it represents a reliable partner for **plastic additives** worldwide

MAIN FIELDS OF APPLICATION:

- XPS, EPS, X-EPS
- XPE, XPU
- Engineering Thermoplastics
- Reactive flame retardants

OTHER PRODUCTS:

- Antioxidants
- Uv
- Processing aids
- Color masterbatches

GC - VISION

Develop and promote performing solutions:

- Fire performance and thermal stability
- Superior Environmental and health profile (more sustainable with halogen free solutions)
- Compatibility with polymeric matrix
- Cost / Performance



QUALITY MANAGEMENT SYSTEM

Greenchemicals decided to adopt Quality Management System (QMS) in compliance with ISO 9001 STANDARD to improve all activities associated with the quality.

Greenchemicals has always supported agile working methods such as smart working, part time and flexible work schedules in order to allow for a better family management.



GC - PHYSICAL FORMS

- Masterbatches
- Powder Blends
- Compacted Blends
- Cold Extruded Pellets
- Liquid Dispersions

In 2024 Greenchemicals acquires



MEMBERSHIP:



Additives for XPS

THE RANGE



PRODUCT NAME	DESCRIPTION
MB PS POL 55 D	Very active flame retardant masterbatch, based on “Polymeric FR”, with medium thermal stability, developed for twin screw extruder, high output production line. Best solution in terms of cost/performance, with polymeric technology.
MB PS POL 55 EV	Very active flame retardant masterbatch, based on “Polymeric FR”, with very high thermal stability, able to survive even the most critical production conditions.
MB PS POL 55 R	Very active flame retardant masterbatch, based on “Polymeric FR”, without synergist and with super high thermal stability. It has been developed mainly for single screw extruder, with high degree of shear stress.
MB PS SAM 54	Medium activity flame retardant masterbatch, based on “Monomeric FR”, with super high thermal stability. It has been developed for high dosage of recycled polystyrene, from unknown source.
MB PS SHARP 45 HT	Very active flame retardant masterbatch, based on “Monomeric FR”, without synergist and with super high thermal stability. It has been developed mainly for single screw extruder, with high degree of shear stress.
MB PS SHARP 45 S	Active flame retardant masterbatch, based on “Monomeric FR”, with medium thermal stability. It has been developed for high thickness and competitive environment.
MB PS SHARP 45 S BUST	Very active flame retardant masterbatch, based on “Monomeric FR”, with medium thermal stability. Best solution in terms of cost/performance, with monomeric technology.

*Please feel free to contact us for any other substance not mentioned in this list.

Nucleating Agents

PRODUCT NAME	DESCRIPTION
HYDRONUC 35 TC	Chemical nucleating agent, in PE powder compacted pellets, which develops CO2, guaranteeing and very fine and thick foam and high nucleation degree.
STARCELL PO 60	Active, very fine talc masterbatch, based on high MFI polyolephines carrier. STARCELL PO 60 is a talc-based masterbatch in a polyethylene matrix. It finds application as a nucleating additive in polyethylene and polystyrene foams.
STARCELL PO 70	STARCELL PO 70 is a talc-based masterbatch in a polyethylene matrix. It finds application as a nucleating additive in polyethylene and polystyrene foams.
STARCELL PS 60	60% active, very fine talc masterbatch, based on high MFI polystyrene carrier. STARCELL PS 60 O is a talc-based masterbatch in a polystyrene matrix. It finds application as a nucleating additive in a polystyrene foams.
STARCELL PSR 60	60% active, very fine talc masterbatch, based on high MFI recycled polystyrene carrier. STARCELL PSR 60 U is a talc masterbatch in a polystyrene matrix. The talc used is a fine talc with good performance in expanded thermoplastics and thermoplastic elastomers.

Foaming Agents

PRODUCT NAME	DESCRIPTION
R1234ze	This product is perfect for extruded polystyrene and pressurized one-and two-component polyurethane foams.

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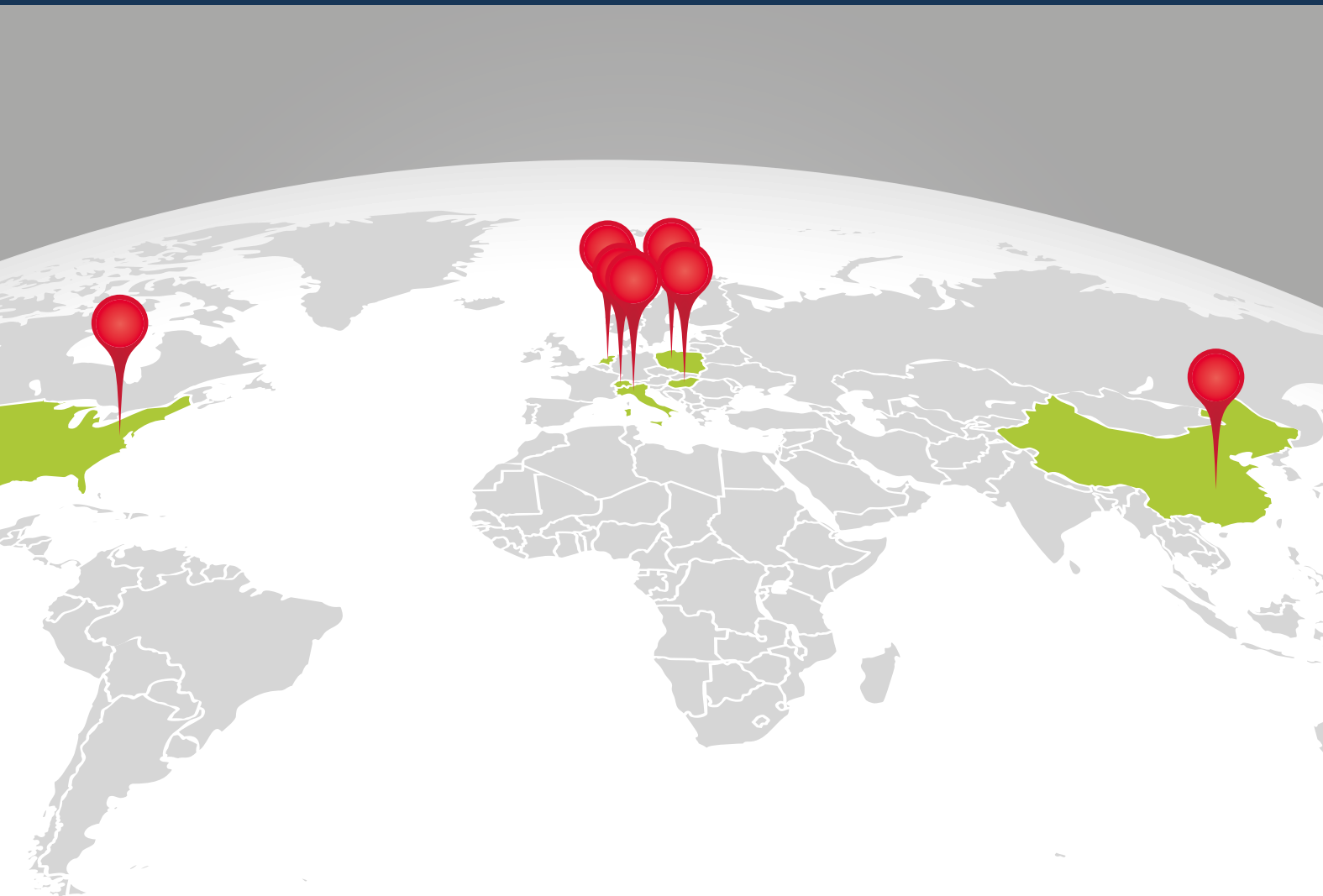
Processing Aids

PRODUCT NAME	DESCRIPTION
GC STEREATO DI BARIO	Pure barium stearate in powder or compacted form. GC STEARATO DI BARIO is a filler used as a heat and light stabilizer, and as lubricant in plastics and rubber.
GC DGM 95	Pure GMS 90 in pastilles form. GC DGM 95 can be used in the plastic sector as an anti-static, anti-fog or lubricant.
GC GMS 90	Glycerol mono stearate tri-substituted, 90% pure, in powder form. GC GMS 90 is a product widely used in food, cosmetics and plastics; it finds application as a plasticizer.
GC GTS	GC GTS can be used in the EPS industry as a lubricant.
STARAID EV G 30	GMS based masterbatch in EVA carrier, developed for fast migration to give a shiny and smooth surface, together with possibility of increasing output.
STARAID PE OL 20	Oleamide based masterbatch in PE/EVA carrier, developed for slow migration to give a shiny and smooth surface with long lasting effect.

*Please feel free to contact us for any other substance not mentioned in this list.

Where We Are in the world

Contact Us!



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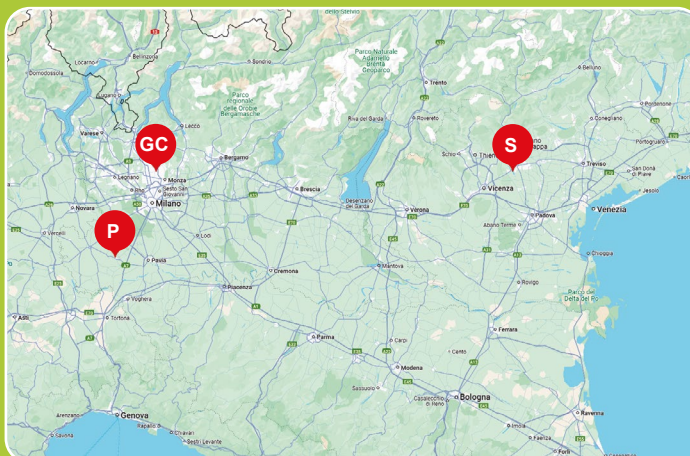
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ADDITIVES FOR **XPS**
