



Data Center Solutions Powered by Smart Polymers

For proven performance, trust Synthomer

- Advanced polymers that support modern data-center performance
- Enhanced thermal management and energy-efficiency
- Stronger, more reliable infrastructure materials
- Improved operational stability and environmental resilience

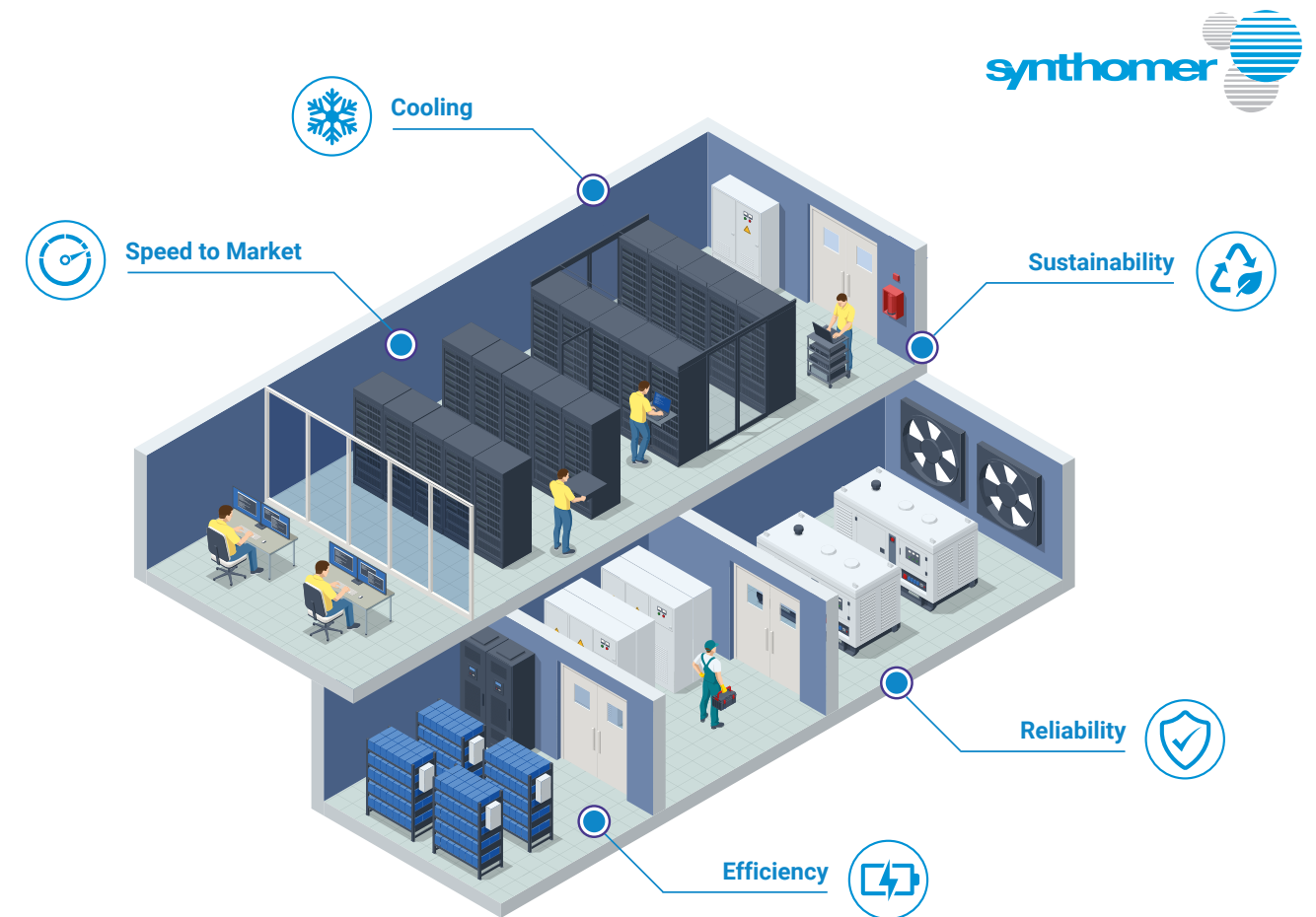


Synthomer: Shaping the future of data center infrastructure

Synthomer delivers advanced polymer solutions that support the performance, efficiency, and sustainability of modern data centers. As global demand for digital infrastructure accelerates, our technologies enable smarter thermal management, cleaner air, and more durable building envelopes—helping operators optimize uptime and reduce energy consumption. This empowers data centers to adapt to evolving performance requirements with confidence and efficiency.

Our specialized polymers power critical applications across the data-center ecosystem, including high-performance roof coatings, filtration and separation media, and next-generation battery binders. These solutions enhance cooling efficiency, extend equipment life, and support responsible, energy-efficient design.

For proven performance, trust Synthomer!



Leading Sustainability

Lower carbon & environmental-friendly solutions

Polymer and GGBS formulated waterproofing product with a lower product carbon footprint to protect the data center building from water ingress. Featured product: **LIPATON™ 30Y50**



Speed to Market

Fast-curing and faster-application

Acrylic binders accelerate cool roof system deployment in data center through fast drying times, easy application, and quick recoating. Featured products: **PLEXTOL™ R 5512**, **PLIOTEC™ EL25**



Efficiency in Power

Innovative solutions for BESS battery cells

Advanced SBR binders designed for battery energy storage systems to minimize internal resistance and maximize adhesion, enabling higher energy density and reduced power loss. Featured product: **LITEX™ LB**



Efficiency in Cooling

Innovative materials for thermal management

Advanced roofing polymers engineered for thermal stability, reducing roof heat buildup and lowering HVAC energy demand for improved cooling efficiency and long-term durability. Featured product: **SUNIGUM™**



Reliability

Assurance Safeguards what matters most

Acrylic polymers protect steel structure by 2-hr fire-resistant coatings, safeguarding data center assets and meeting safety standards. Featured products: **PLIOLITE™ AC90**, **EMULTEX™ FR 797**, and **EMULTEX™ FR 728**

BESS Battery Energy Storage

Speciality Polymers for Every Energy Need: Long lasting energy storage over a wide range of temperatures

Our SBR anode binders enable cells to retain excellent capacity, ensuring reliable, long-lasting power for every charge cycle. They are meticulously optimised for maximum adhesion to both active materials and current collector, preserving critical bonds over countless charge and discharge cycles.

Benefits for your energy storage systems

- Easy to use and compatible with standard industry manufacturing processes
- Outstanding electrode adhesion and mechanical properties
- Excellent electrochemical performance
- High-capacity battery cells with excellent capacity retention

Binders For Energy Storage

Binders for energy storage systems

Product	Chemistry	Solids Content [%]	pH-Value	Viscosity [mPa·s]	Properties
LITEX™ LB422	Styrene/butadiene copolymer latex	46	7	<100	Balanced mechanical properties and processability



2K Cementitious Waterproofing

Benefits of our polymer binders

- Enhance product durability and performance
- Resistant to water and solvent-free
- Compatible with low-carbon cement, e.g., GGBS
- Water protection in water storage tanks, utility corridors, and other below-grade structures

Product	Chemistry	Solids Content [%]	pH-Value	Viscosity [mPa·s]	Tg [°C]	Properties
LIPATON™ SB 33YS0	XSBR	50	7.5	250	-2	High tensile strength. Suitable for low-carbon cement
REVACRYL™ R 387	Styrene Acrylic	57	7	1,000	-10	Universal. Flexible. Fulfils drinking-water regulation
PLEXTOL™ D 324	Pure Acrylic	56	7.5	500	-30	High flexibility. UV stable. Ammonia-free

Bituminous Waterproofing

Benefits of our polymer binders

- Compatible with a broad range of bitumen types
- Improve durability
- Enhance water resistance of bitumen
- Durable protection for foundations, basements, roofs, and tunnels

Product	Chemistry	Solids Content [%]	pH-Value	Viscosity [mPa·s]	Tg [°C]	Properties
LIPATON™ SB 4070	HS-SBR	70	11	1,100	-51	Exceptional high solids. Highly flexible at low temperature
LIPATON™ SB 2540	HS-SBR	67	11	1,000	-51	Elastic. Low-temperature flexibility
LIPREN™ B	Polychloroprene	58	13	80	-41	Highly flexible at low temperature. Good weatherability

Intumescent Coatings

Synthomer's Intumescent Coatings Potfolio

- **EMULTEX™**: Colloid stabilised vinyl acetate, vinyl versatate copolymers dispersions
- **PLIOLITE™**: Styrene-acrylic copolymers and speciality vinyl-acrylate copolymer resins

Benefits for your intumescent coatings

- Water-based binders for low-VOC intumescent coatings and sealants
- Solvent-based binders for high-durability performance
- Fire-protection capabilities for Z1, Z2, Y and X classifications
- Reliable foam development and stabilisation
- Designed for protection levels from 30 to 120 minutes
- Good water resistance
- Helps reduce flame spread

Resins For Solvent-Based Coatings

Resins for solvent-based coatings

Product	Chemistry	Specific Gravity	Tg (°C)	KB Value	Properties	All exposure categories	All exposure categories
						30/60 min	90/120 min
PLIOLITE™ AC90	Styrene Acrylic	1.03	52	48	Fast char development; stong water-resistance and binding power	●	●

Water-based binders

Resins for water-based coatings

Product	Chemistry	Total Solids [%]	APEO Free	Tg (°C) Onset	pH	Properties	Interior (Z1–Z2)	
							30/60 min	90/120 min
EMULTEX™ FR 728	Vinyl Acetate / VeoVa	50	Yes	23	4.0 – 5.0	Halogen/APEO-free, WB VAE/ VeoVa for char development	●	
EMULTEX™ FR 797	Vinyl Acetate / VeoVa	55	Yes	13	4.0 – 5.0	Halogen/APEO-free WB VAE/ VeoVa; char development		●

Anti-corrosion Coatings

Synthomer's Coatings Portfolio for Corrosion Protection

- **PLIOLITE™**: Styrene-acrylic copolymer resins
- **PLIOLAK™**: Alkyd resins based on oil-modified polyester chemistry

Benefits for your corrosion-protection coatings

- Durable films for heavy-duty exterior exposure
- Strong adhesion and reliable film integrity on steel
- Good barrier resistance against moisture and corrosive agents
- Fast surface drying for efficient application cycles
- Stable outdoor performance with UV and weather resistance
- Good pigment wetting for uniform anticorrosive primers



Resins For Heavy-Duty Corrosion Protection

PLIOLITE™ resins for anti-corrosion coatings

Product	Chemistry	Density, lb/gal	Solubility, Solvent KB	Viscosity [mPa·s]	Tg [°C]	Properties
PLIOLITE™ AC4	Styreneacrylate copolymer	8.6	45	68 Pa·s	55	UV-resistant; hard film; strong adhesion; alkali resistant
PLIOLITE™ AC80	Styreneacrylate copolymer	8.6	40	45 (Ford Cup, sec)	53	Strong adhesion and weather resistance

PLIOLAK™ resins for anti-corrosion coatings

Product	Chemistry	Solids [%]	Acid value, mg KOH/g SC	Viscosity, stokes	Properties
PLIOLAK™ AS 284 / 60 X	Short-oil alkyd	60	<15	22.3	Fast drying; good adhesion
PLIOLAK™ AL 634 / 70 D	Long-oil alkyd	70	<10	81	Low yellowing; outdoor-stable

Energy-Efficient Roofs

Synthomer Polymers for Cool-Roof Efficiency

- **PLEXTOL™**: Surfactant-stabilised pure acrylic copolymer dispersion
- **PLIOTEC™**: Water-based acrylic elastomeric latexes
- **SUNIGUM™**: Crosslinked acrylate terpolymer elastomers

Benefits for your cool-roof solutions

- UV-resistant, non-chalking film
- Low dirt pick-up to maintain reflectivity
- Very low water uptake
- Flexible with strong crack-bridging
- Excellent adhesion to concrete and masonry
- High resistance to alkali, acids and weather
- Helps reduce flame spread



Cool Reflective Roof Coatings

Binders for cool-roof coating

Product	Chemistry	Solids (%)	pH	MFFT (0°C)	Viscosity	Properties
PLEXTOL™ R 5512	Pure acrylic copolymer	60	6	0	1300	High solids, high water resistance, excellent low temperature flexibility
PLIOTEC™ EL25	Acrylic elastomeric latex	50	8	-5	325	Dirt pick-up resistance, high water resistance, excellent flexibility

Elastomeric-Modifiers For Roofing

EMOD Solutions

Product	Chemistry	Physical Form	Tg (°C)	Density (g/ml)	Properties
SUNIGUM™ P2100	Acrylate Terpolymer	off-white powder	-19	1.1	Soft, flexible, UV-resistant, heat-stable elastomer
SUNIGUM™ P95	Acrylate Terpolymer	off-white powder	-21.5	1.1	Soft, weatherable, oil-resistant, UV-stable elastomer

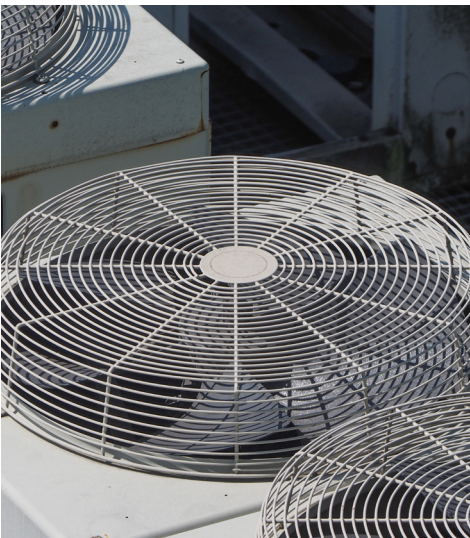
Filtration Media Dispersions

Synthomer's Filtration Portfolio for Protection

- **PLEXTOL™**: Acrylic copolymer with crosslinkable units
- **REVACRYL™**: Acrylic polymer with polar and self-reactive groups
- **SEQUAPEL™ 409**: Fluorine-free polymer from hydrophobic monomers

Benefits for your filtration materials

- Stronger bonding for higher strength
- Longer media life from durable films
- Stable airflow and pressure drop
- Moisture-resistant performance
- Better dust-holding capacity
- Reliable curing and clean films
- Flexible, compatible formulations
- PFAS-free, sustainable options



Solutions For Filtration Materials

Binders for filtration materials

Product	Chemistry	Solids (%)	pH	Self-crosslinking	Viscosity	Properties
PLEXTOL™ BV 595	Acrylic	50	49	yes	<250	Very stiff, high-strength, crosslinked film
PLEXTOL™ BV 411	Acrylic	50	1	yes	<3500	Soft, flexible film; low-temperature cure
REVACRYL™ Design 1690	Styrene-Acrylic	50	38	yes	<2200	Stiff film; strong mineral adhesion; formaldehyde-free

Surface treatments for filtration media

Product	Chemistry	Solids [%]	Self-crosslinking	Viscosity	Properties
SEQUAPEL™ 409	Acrylate Copolymer	40	no	<45	Strong water repellency and liquid holdout

Leading in Emulsions and Specialty Polymers

Synthomer is one of the world's leading suppliers of emulsion and specialty polymers supporting leadership positions in many market segments including coatings, construction, technical textiles, adhesives, paper and synthetic latex gloves.



Synthomer is able to serve through a strong network of local technical service and sales branches, supported by regional application development and production in our key markets.

We deliver the right formula, globally, individually.

Are you interested in reaching out to us? Access our network of Synthomer locations and key contacts effortlessly by scanning this QR code and let the conversation around your specific product and application requirements begin.



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