

Zeochem is international



State-of-the-art manufacture in both manufacturing sites, in Switzerland and the United States allows to supply leading market solutions to the industry. Our customers can benefit from our longtime experience in the fields of adsorption and chromatography separation, and recently custom zeolite catalyst manufacture, supported by our experienced technical service team and our modern research and development.



Today Zeochem is a leading supplier of high-quality molecular sieves and speciality zeolites. Third business segment is silica gel chromatography gels. Production goes back to 1939 and continuously Zeochem is expanding its activities while introducing new know-how, novel production technologies and adapting its product portfolio towards best proven quality.



We are looking forward to your call

North & South America

Zeochem L.L.C.
1600 West Hill Street
Louisville, KY 40232, USA
Phone +1 502 634 7600
Fax +1 502 634 8133
mail: info@zeochem.com
www.zeochem.com

Europe, Middle East, Asia, Africa

Zeochem AG
Seestrasse 108
8707 Uetikon, Switzerland
Phone +41 44 9229 393
Fax +41 44 9202 093
mail: info@zeochem.ch
www.zeochem.com

Sales Office Germany

Zeochem AG
Justus Liebig Strasse 3
41564 Kaarst, Germany
Phone +49 2131 1257 597
Fax +49 2131 1511 749
mail: krampitz.holger@zeochem.de
www.zeochem.ch

Members of
CPH Chemie + Papier Holding AG

Zeochem 100101



ZEOCHEM® Product Portfolio

Ranging from Molecular Sieves to Speciality Zeolites and Silica Chromatography Gels
Tailored solutions from a major global zeolite manufacturer to the Industry



Production Program

REGENERATIVE ADSORBENTS

Product	Application (typical)	Material	Size [mm]	Shape
Gas Processing Industry				
Z3-04	Dehydration of Natural Gas	zeolite	2-3; 2.5-5	sphere
Z3-04	Dehydration of Natural Gas Liquids	zeolite	2-3	sphere
Z3-04 CNG	Dehydration of CNG	zeolite	2-3; 2.5-5	sphere
Z4-04	Dehydration of Natural Gas	zeolite	2-3; 2.5-5	sphere
Z4-04	Dehydration of Natural Gas Liquids	zeolite	2-3	sphere
Z5-03HP	Desulphurization, Sweetening of Natural Gas	zeolite	2-3	sphere
Z10-01	Mercaptans Removal from Natural Gas	zeolite	2-3	sphere
Z10-01	Desulphurization, Sweetening of Natural Gas Liquids	zeolite	1-2	sphere
Oil Refining & Petrochemicals Industry				
Z3-01	Dehydration of BTX-Aromatics & Polar Solvents	zeolite	1-2; 2.5-5	sphere
Z3-01	Dehydration of RFG, LPG	zeolite	1-2	sphere
Z3-02 / Z3-02 EC	Dehydration in steam cracker units (var. applications)	zeolite	2.5-5	sphere
Z3-03	Drying of Ethanol	zeolite	2.5-5	sphere
Z3-04	Dehydration of hydrocarbon gases, COS minimising	zeolite	2-3; 2.5-5	sphere
Z4-01	Dehydration of Hydrogen, RFG, LPG	zeolite	2-3; 2.5-5	sphere
Z4-04	Dehydration of LPG, CNG, LNG	zeolite	2-3; 2.5-5	sphere
Z10-01	Dehydration and Sweetening of LPG	zeolite	1-2; 2-3	sphere
Z10-03	Oxygenates removal from Hydrocarbon streams	zeolite	1-2; 2-3; 2.5-5	sphere
Z10-03	Sweetening / Catalyst Protection	zeolite	1-2; 2-3	sphere
Chemical Industry				
Z3-01	Dehydration of polar solvents, e.g. alcohols	zeolite	2-3	sphere
Z3-03	Drying of Ethanol	zeolite	2.5-5	sphere
Z4-01	Dehydration of Hydrogen	zeolite	1-2; 2-3; 2.5-5	sphere
Z4-01	Dehydration of non-polar solvents	zeolite	2-3	sphere
Z4-01	Dehydration of Syngas streams	zeolite	1-2; 2-3; 2.5-5	sphere
Z4-01	Dehydration of Ammonia Syngas streams	zeolite	2.5-5	sphere
Z5-02	n/iso-Paraffin Separation	zeolite	1-2; 2-3; 2.5-5	sphere
Z10-01	Solvent Treating	zeolite	2.5-5	sphere
Z10-02	CO ₂ Removal from Syngas streams	zeolite	2-3	sphere
Air Purification & Air Separation				
Z4-01	Air Dehydration	zeolite	2-3	sphere
Z5-05	PSA removal of CO from hydrogen rich gas stream	zeolite	1-2; 2-3; 2.5-5	sphere
Z10-02	Air Prepurification	zeolite	1.6-2.6	sphere
Z10-02 ND	Air Prepurification	zeolite	1.6-2.6	sphere
Z10-04	Oxygen Generation, Bulk	zeolite	1-2; 2.5-5	sphere
Z10-07 (LiX)	Oxygen Generation, Bulk	zeolite	1-2	sphere
Z12-07 (Li-LSX)	Oxygen Generation, Bulk & Medical	zeolite	0.5-1.5; 0.4-0.8	sphere
ZEOX O _{II} (13X)	Oxygen Generation, Medical	zeolite	0.4-0.8	sphere

GUARD BED ADSORBENTS & INERT MATERIAL

Product	Application	Material	Size [mm]	Shape
Guard Bed Adsorbents				
ALOX-F	Dehydration Service Guard Material	alumina	2-5	sphere
ALOX-U	Dehydration Service (for air dryers)	alumina	2-5	sphere
ZEObeads [®] F2	Dehydration Service Guard Material (narrow pore)	silica	2-5	sphere
ZEObeads [®]	Dehydration Service Guard Material (medium pore)	silica	1-3; 2-3	sphere
ZEObeads [®] B2	Dehydration Service Guard Material (wide pore)	silica	2-5	sphere
Dessicant Silica				
Silicagel 720™	Dehydration Service, narrow pores	silica	0.5-1; 1-3; 3-6	irregular
Silicagel 560™	Dehydration Service, medium-wide pores	silica	3-6	irregular
Silicagel 490™	Dehydration Service, wide pores	silica	3-6	irregular
Silicagel PS™	Dehydration Service, colour indicator, UV-stable	silica	3-6	irregular
Rubingel [®]	Dehydration Service, colour indicator	silica	1-3; 3-6	irregular
Dessicant Bags	Protection against Humidity, cont'ng Rubingel [®] or MS	silica or zeolite	5 - 960g	bags
Inert Material (*)				
DENSTONE 57	Aluminosilicate based support media	silica-alumina	all sizes	sphere
DENSTONE 2000	as above but for extreme environments	silica-alumina	all sizes	sphere
DENSTONE 99	High Alumina Inert Bed Support	alumina	all sizes	sphere

(*) Inert material will be supplied as bed support media for molecular sieve bed adsorbents, Sizes include 3, 6, 13 and 25 mm

Production Program

ZEOCHEM[®]

CHROMATOGRAPHY GELS

Product	Application	Material	Particle Size	Pore Size
Spherical Silica Chromatography Gels				
ZEOsphere [®] 70	Normal Phase Chromatography	Silica Gel	10, 15, 20 micron	70 Å
ZEOsphere [®] 100	Normal Phase Chromatography	Silica Gel		100 Å
ZEOsphere [®] 200	Normal Phase Chromatography	Silica Gel		200 Å
ZEOsphere [®] 300	Normal Phase Chromatography	Silica Gel		300 Å
ZEOsphere [®] 70 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		70 Å
ZEOsphere [®] 100 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		100 Å
ZEOsphere [®] 200 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		200 Å
ZEOsphere [®] 300 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		300 Å
Irregular Silica Chromatography Gels				
ZEOprep [®] 40	Normal Phase Chromatography	Silica Gel	15 - 25, 25 - 40, 40 - 63, 60-200, 200-500 micron	40 Å
ZEOprep [®] 60	Normal Phase Chromatography	Silica Gel		60 Å
ZEOprep [®] 90	Normal Phase Chromatography	Silica Gel		90 Å
ZEOprep [®] 110	Normal Phase Chromatography	Silica Gel		110 Å
ZEOprep [®] 300	Normal Phase Chromatography	Silica Gel		300 Å
ZEOprep [®] 60 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		60 Å
ZEOprep [®] 90 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		90 Å
ZEOprep [®] 110 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		110 Å
ZEOprep [®] 300 C18 (**)	Reverse Phase Chromatography, surface modified	Silica Gel		300 Å
(**) Also available in C4, C8, NH ₂ , CN, SH, Diol, SAX, and other options				

SPECIALTY ZEOLITES

Product	Application	Material	Form	Shape
ZEOcat[®] Zeolite Powder, Standard				
PZ-2	ZSM-5, Pentasil (SiO ₂ /Al ₂ O ₃ -Range 25 - 1000)	zeolite	Na-Form	powder
PZ-2 H	ZSM-5, Pentasil (SiO ₂ /Al ₂ O ₃ -Range 25 - 1000)	zeolite	H-Form	powder
PZ-2 Fe	ZSM-5, Pentasil (SiO ₂ /Al ₂ O ₃ -Range 25 - 1000)	zeolite	Fe-Form	powder
PB	Beta (SiO ₂ /Al ₂ O ₃ -Range 25 - 100)	zeolite	Na-Form	powder
PB H	Beta (SiO ₂ /Al ₂ O ₃ -Range 25 - 100)	zeolite	H-Form	powder
PB Fe	Beta (SiO ₂ /Al ₂ O ₃ -Range 25 - 100)	zeolite	Fe-Form	powder
FM	Mordenite (SiO ₂ /Al ₂ O ₃ -Range 15 - 100)	zeolite	Na-Form	powder
FM H	Mordenite (SiO ₂ /Al ₂ O ₃ -Range 15 - 100)	zeolite	H-Form	powder
ZEOcat[®] Zeolite Powder, Speciality				
ZEOcat [®] - - - - (***)	various custom synthetic zeolites including MCM-, SAPO-, and other specialities	zeolite	Na-/H-Form	powder
ZEOcat[®] Zeolite Adsorbents & Catalysts, Speciality				
ZEOcat [®] 400	VOC- and odour removal for molecules < 5.6 Å	zeolite	-	sphere
ZEOcat [®] 700	VOC- and odour removal for molecules < 7.6 Å	zeolite	-	sphere
ZEOcat [®] - - - - (***)	various custom zeolite catalysts	zeolite	custom	tailored
(***) - - - -, a four digit code identification for a zeolites (custom) catalyst				
ZEOflair[®] - Plastics Additives				
ZEOflair [®] 100	VOC- and odour removal, plastics additive	zeolite	-	powder
ZEOflair [®] 200	VOC- and odour removal, plastics additive	zeolite	-	powder
ZEOflair [®] 300	VOC- and odour removal, plastics additive	zeolite	-	powder
PURMOL[®] - Additives for 2-component polyurethane systems				
PURMOL [®] 3ST	Dehydration additive	zeolite	-	powder
PURMOL [®] 3STH	Dehydration additive	zeolite	-	powder
PURMOL [®] 4ST	Dehydration additive	zeolite	-	powder
PURMOL [®] paste	Dehydration additive	zeolite	-	paste
X-MOL [®]	For cosmetic application	zeolite	-	powder

Disclaimer

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