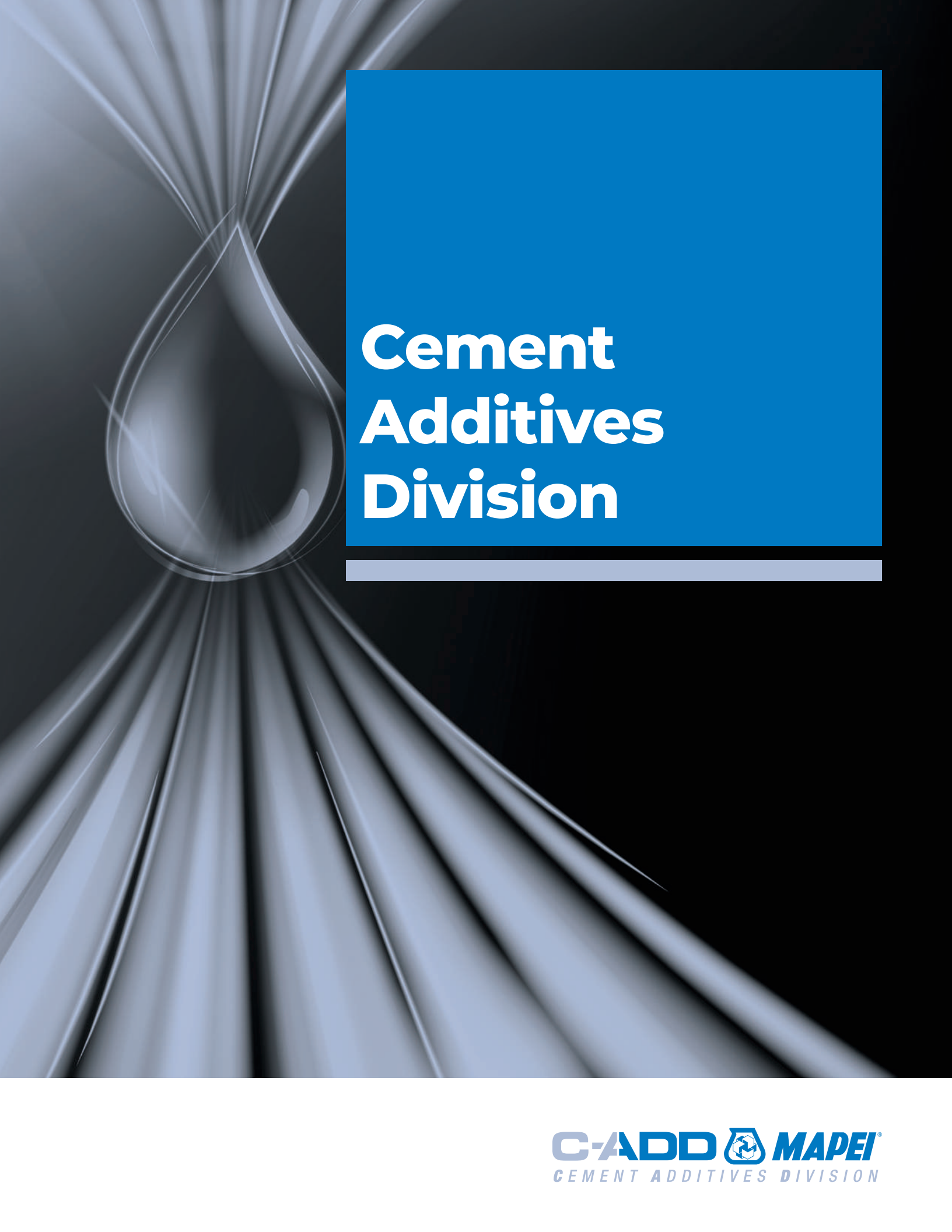




Cement Additives Division



About MAPEI

Founded in Milan in 1937, MAPEI is the world's leading manufacturer of adhesives and ancillary installation products for all types of floor and wall coverings. The company also specializes in other chemical products for the building industry – including waterproofing products and special mortars and admixtures for concrete and cement, as well as products for the renovation of historic buildings. With its 89 subsidiaries (7 of which are non-operational companies) and 83 plants in 36 different countries, MAPEI Group supplies the most innovative products to the global market.

Eco-sustainability

MAPEI liquid admixtures form a system of innovative solutions for cement works. They allow a reduction of clinker while offering the same mechanical performance of cement, thus reducing CO2 emissions by 5% to 10% and saving non-renewable raw materials.

Cement Additives Division

Founded in 2000, the Cement Additives Division (C-ADD) continues to grow thanks to innovative and high-quality products combined with technical support and dedicated Research and Development. Today, supported by MAPEI Group's structure and expertise, C-ADD supplies all major cement groups worldwide, offering new technologies and

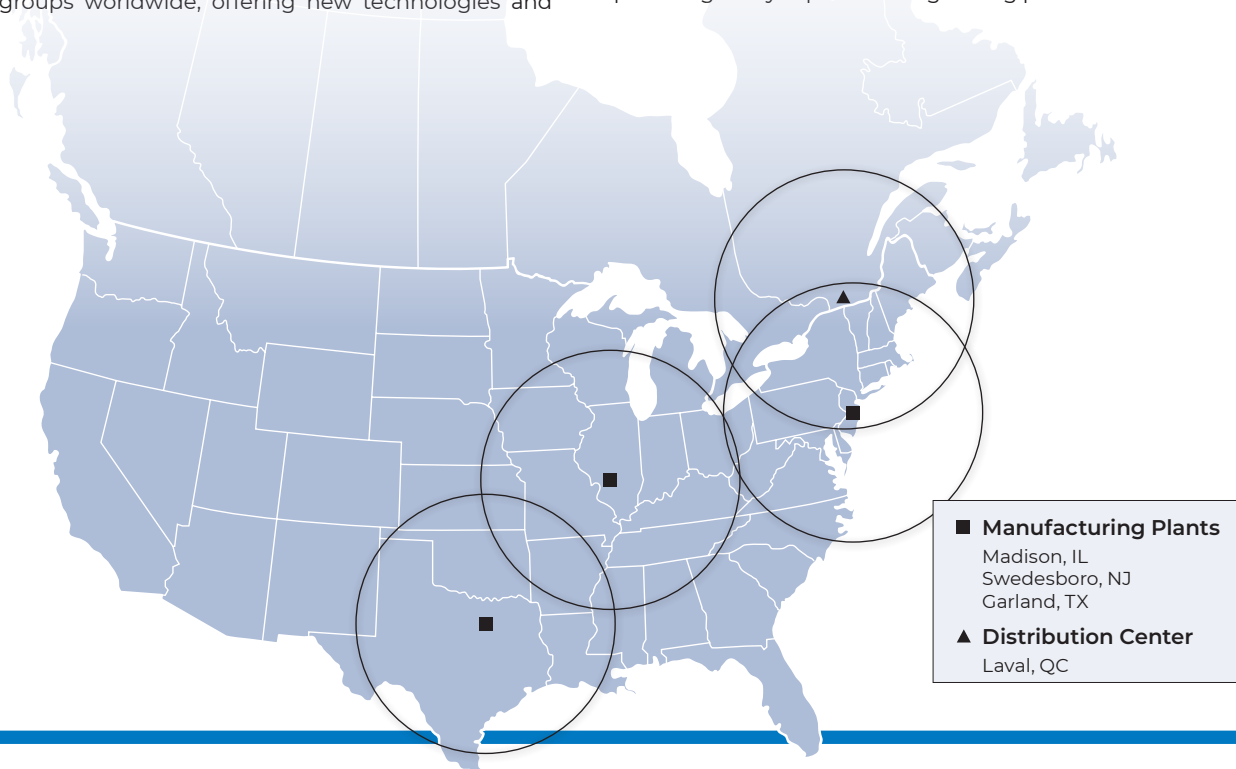
local technical assistance. C-ADD combines high-quality raw materials, fully computer-based production facilities and specific expertise in terms of product chemistry, industrial employment and grinding plant technology. This guarantees high levels of customer assistance and product quality.

R&D

By investing over 5% of its annual revenues and 12% of its workforce in R&D, MAPEI has become market leader in terms of innovation. The dedicated C-ADD team members at MAPEI's Research Centers not only develop new raw materials and grinding aids, they are also active in customer support. In fact, MAPEI's state-of-the-art laboratories allow C-ADD to perform specific and in-depth clinker and cement analysis in order to optimize the use of cement additives, in addition to offering customized solutions for cement performance enhancement and production improvement.

Technical Assistance Group

Known as the TAG team, a group of experienced process engineers from the cement industry joined C-ADD in order to provide specific technical assistance to C-ADD customers. By performing complete plant audits and by analyzing the grinding circuit's performance, the TAG team assists C-ADD customers with implementing the cement additives and optimizing every aspect of the grinding process.

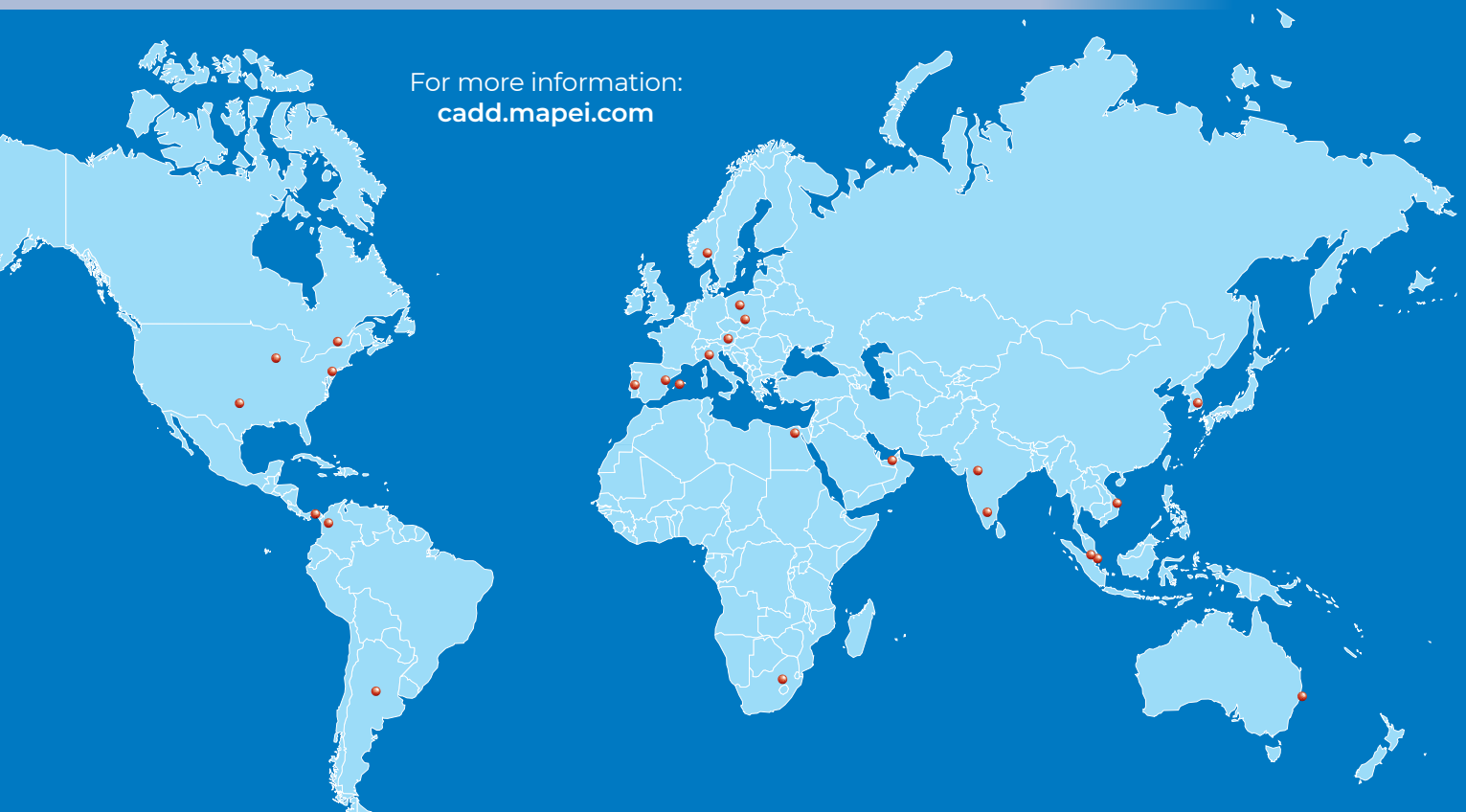


Our products

Product Family	Typical Dosage	Increased Production	Strength Improvement	Pack-Set Reduction	Air Entrainment	Cr(VI) Reduction	CO ₂ Reduction	Application
HSG grinding aids for Portland cements and minerals	0.02% to 0.08%	• • •	•	• • •			• •	All cement types
BXR grinding aids and strength enhancers	0.02% to 0.2%	• • •	• • •	• •			• • •	All cement types
MCH grinding aids and pack-set inhibitors	0.02% to 0.07%	• • •	• • •	• • •			• •	All cement types
AEC air-entraining and waterproofing additives for masonry cements	0.04% to 0.10%	•		•	• • •		•	Masonry cement
Cr(VI) reducing additives	0.005% for ppm of Cr(VI)					• • •		All cement types

• Acceptable • • Recommended • • • Highly recommended

For more information:
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