



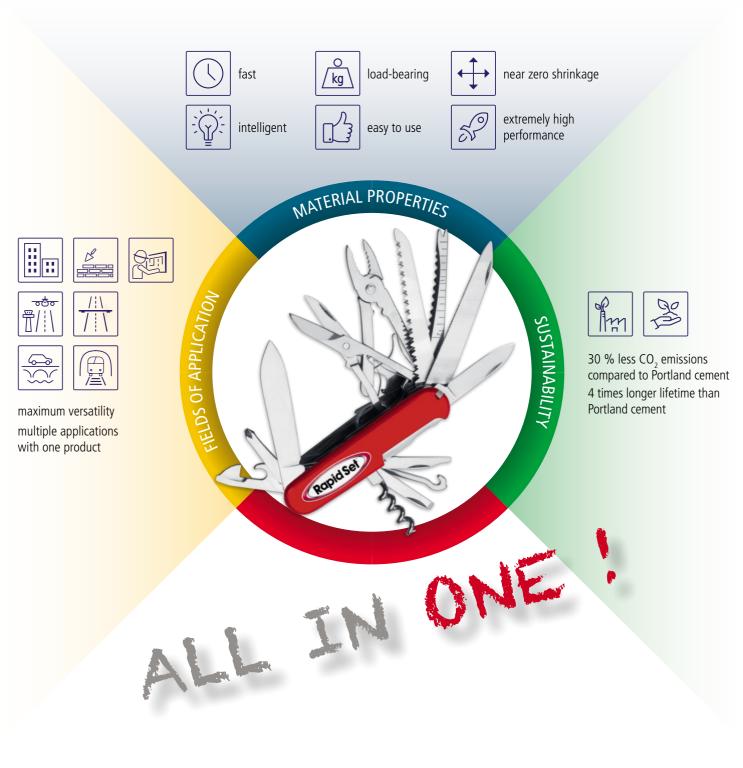






Rapid Set changes the game!

The ONE-FOR-ALL



Maximum profitability through maximum efficiency!



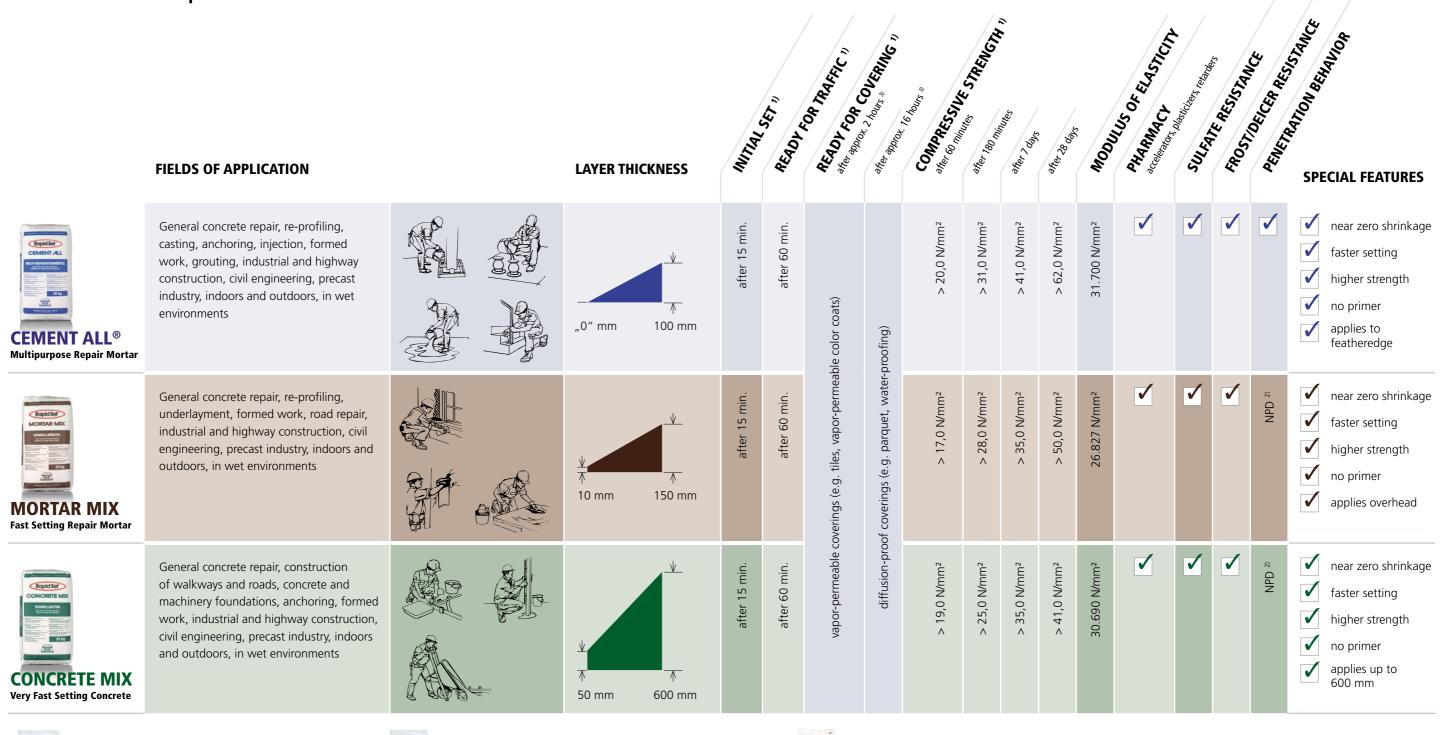
- efficient work performance
- cost reduction
- multipurpose
- fast usability
- minimizing downtimes

- superior quality
- optimizing logistics

✓ long-term durability

✓ 12 months shelf-life

Unique Rapid Set® Products





SET Control - Additive to slow down the setting time



FLOW Control – Additive to improve the fluidity



FAST – Additive to accelerate the setting time

- 1) Technical data at + 20°C and 65 % relative air humidity
- 2) NPD = No Performance Determined
- ³⁾ It is recommended to check the residual moisture by suitable measuring method

















Maximize Performance with Advanced Rapid Set® Technology

Reaction Process: Comparison between Portland cement and Rapid Set® Cement

The chemical reaction process of conventional Portland cement in comparison to Rapid Set® Cement, a belitic calcium sulfoaluminate (BCSA) cement, differs significantly. Rapid Set® Cement with a w/c ratio = 0,45 binds the added water close to 100 % chemically.

Portland Cement

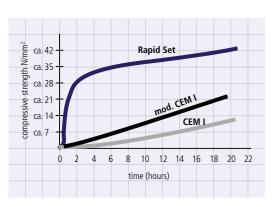


Rapid Set® Cement



Unique Performance of Rapid Set®

Strength

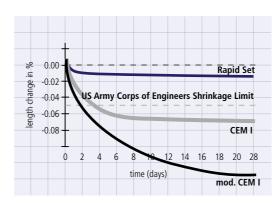


Rapid Set® – very high strength values after final set

The above graphic shows clearly improved high early strength development of a Rapid Set® based system, specially in comparison to conventional Portland cements (CEM I) and modified Portland cements (accelerated).

After 1 hour and final set a compressive strength of > 20,0 N/mm² is definitely achieved.

Shrinkage



Rapid Set® – clearly less shrinkage than Portland cement

The above graphic shows typical shrinkage process of conventional binders (CEM I and mod. CEM I) in comparison to the Rapid Set® Technology. In the U.S. the limit value for non-shrinkage ranges at < 0,05 % (US Army Corps of Engineers Shrinkage Limit). This is definitely achieved with the Rapid Set® Technology.

KORODUR and CTS Cement Two Strong Partners

Exclusive License Partnership for Europe!

In the year 2012 KORODUR, world market leader in hard aggregate industrial flooring, started the exclusive license partnership with the American market leader in high performance cements CTS Cement | Rapid Set®.

Unique Rapid Set® Technology new in Europe, proved in the U.S.

The American manufacturer and market leader in special cements, CTS Cement, has developed the unique and high performance Rapid Set® Technology – entering a new level of cement technology and bringing about solutions for fundamental problems of the construction industry.

The Rapid Set® Technology is based on the high performance, innovative, fast and non-shrink hydraulic binder "Rapid Set® Cement". The special cement receives its unique character by advanced and precise manufacturing techniques. Rapid Set® Cement is not a Portland cement. No chlorides or accelerators are added.

Rapid Set® Cement provides the Rapid Set® repair mortars with their superior and unique efficiency: Already in one hour extremely high strength! Immediate usability! Non-shrink! Multipurpose! Sulfate resistant! Excellent durability! Reduced CO₂ emissions!

Rapid Set® stands for Innovation, High Performance and Versatility!

Over the past 40 years Rapid Set® Cement has become the first choice of contractors in the U.S. in respect of fast and powerful problem solutions.

Rapid Set® Cement – green to the core! Environmentally friendly, durable and LEED compliant.



CTS Cement is a member of the U.S. Green Building Council.
Rapid Set® Cement cuts CO₂
emissions by 30 % compared to standard Portland cement.





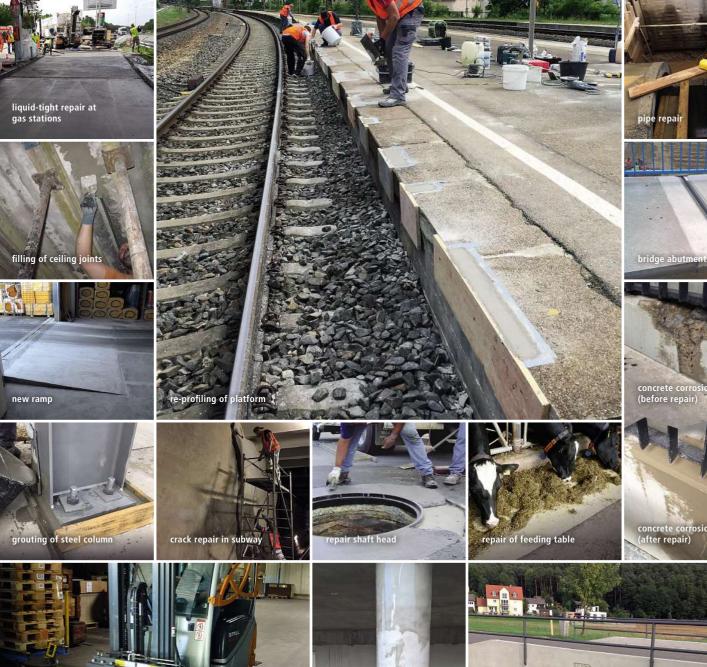


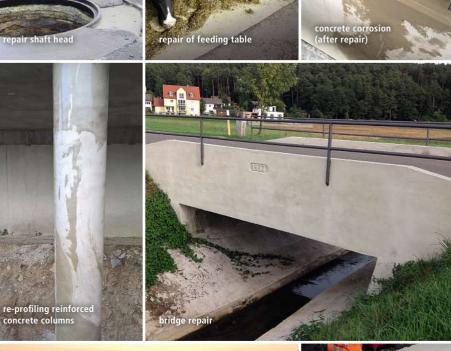
Rapid Set® Technology – proved over years in the U.S. Pic. from left: Hoover Dam, Pentagon













grinding, smoothing or structuring

pointing of natural stone tiles















CEMENT ALL®

also available in handy 5 kg small containers



CEMENT ALL® Plus

mineral, synthetic-modified utmost protection against carbonation with evidence acc. to DIN EN 13295, meets the exposure classes: XC4, XF4, XA3



LevelFlor®

innovative, self-leveling floor underlayment for interior and exterior use



ASPHALT REPAIR MIX

Fast-setting, cementitious asphalt repair material



DOT Europe CONCRETE MIX

fast-setting, fibre reinforced concrete for statically relevant concrete repair for repair and construction of roads, sidewalks, driving lanes, airport pavements and runways, etc.



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www.korodur.de www.korodur-rapidset.de

