

CASAR Superplast 10 / Superplast 10 Mix – reliable partners in the production chain

Industrial and overhead cranes are used everywhere from small skilled-trade operations through complex large-scale enterprises. Often they are a fundamental part of the overall production chain and operate around the clock; in a worst-case scenario, stoppage of such a process crane means the stoppage of the entire production. Although they may differ with regard to load capacity or design, they nonetheless all share the same demand for reliability, efficiency, and safety.

The extraordinary design results in uniform wear characteristics over a wide load spectrum. This opens up an especially broad range of fields of application, with both very low and also very high design factors. Both cables have a high breaking strength and are extremely flexible. The construction of Superplast 10 Mix emphasizes the rope's bending fatigue behavior and for this reason it uses wires of various nominal tensile strengths resulting in a slight reduction in breaking strength.

It attained the absolute highest number of bending cycles ever attained by a full steel rope at CASAR. Especially in the low-load range, both ropes are able to satisfy.

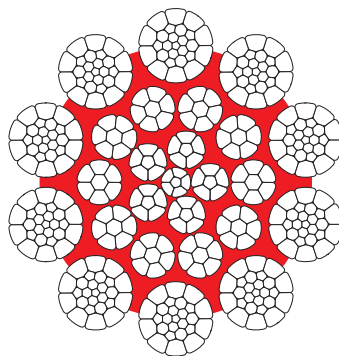
Not only under laboratory conditions but also during initial field tests on an industrial crane that was supposed to move lead coils, Superplast 10 was able to confirm the good test results and outperform the previously used ropes.



Since every crane is only as good as its individual components, crane manufacturers convey these requirements to their suppliers as well. For us as a rope manufacturer, this means providing the crane manufacturer with a custom-made product that best suits its crane and thus the customer's requirements. When we are talking about the industrial and process crane sector, the demand for a flexible hoisting rope is especially important. This is the reason why we developed CASAR Superplast 10 and CASAR Superplast 10 Mix.

In the course of mandatory in-house testing, this method has already proven to be enormously effective, such that the already very good test results of Superplast 10 could be surpassed once more with the Mix construction.

Both constructions consist of ten outer strands and a plastic-coated steel core and make use of parallel constructions — that is, the lay length of all wires and strands are the same and the linear points of contact ensure an optimal load distribution in the rope.



Sectional view of CASAR Superplast 10 / 10 MIX

Do you have any questions?

Just contact one of our product specialists.

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