

Enhanced corrosion protection for your castings

CHEM-TREND® QUENCH COMPOUNDS FOR DIE CASTING



Preparing cast parts for subsequent treatment steps in best time

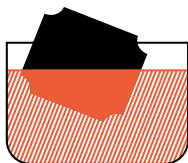
Chem-Trend's ancillary products for die casting are engineered to ensure smooth operations in your casting processes. Our water-based, non-flammable quench compounds cool down your cast parts efficiently and reliably. Our products spread evenly on your parts surface and create a protective lubricating film against corrosion.

At the same time, they mildly clean off casting residues. In this way, your parts are best prepared for further steps like trimming, machining, sand blasting etc. However, the quenching compounds themselves can easily be washed off with water respectively by the help of a mild alkaline cleaner so that further treatments are not affected either.

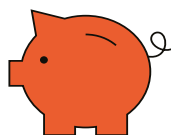
YOUR BENEFITS AT ONE GLANCE:

- **Improved cooling efficiency:** specifically formulated surfactants make sure your cast parts are cooled and protected efficiently.
- **Cleaning effect:** our quenching compound mildly clean part surface from residues.
- **Corrosion protection:** excellent wetting properties ensure uniform coverage and adhesion of the quenching products to the metal surfaces, protecting the casted parts from oxidation during storage and transport.
- **Subsequent treatment:** uniform quenching film allows easier machining, trimming and ensures cleaner parts without stains and extended tool durability (even after sandblasting).
- **Economical dilution range:** our quenching products can be diluted at a ratio between 1:25 to 1:100 depending on your requirements.

WITH OUR QUENCH COMPOUNDS WE OFFER:



Corrosion protection / Improved surface quality



Facilitated subsequent treatment



Operational efficiency

Application

- Our water-based quenching compounds Chem-Trend® QC-116E and Chem-Trend® QC-119 can be diluted at a ratio ranging from 1:25 until 1:100.
- We recommend not stirring the quenching bath by air to prevent foaming.
- For optimum results and best performance, we strongly recommend adding biocides to prevent bacterial contamination and establishing a maintenance routine for renewing the quench bath at regular intervals to prevent residue buildup. Please discuss it with your local sales representative.

Facts and Figures

Product	Appearance	Colour	Temp.	Alloys	Specifics
Chem-Trend® QC-116E	liquid	blue	< 50°C	Al, Mg, Cu, Zn	emulsion; can be cleaned off with mild alkaline cleaner
Chem-Trend® QC-119	liquid	dark blue	< 90°C	Al, Mg, Zn	Solution; can be cleaned off with water

To find out which product is appropriate for your specific process and application method, please get in touch. We offer thorough consultation and training that help you in optimizing your efficiency.

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