

Highlights

– Excellent suspension stability – no settling of diamond particles

UV-stable – not sensitive to light

Ready-to-use suspension with integrated lubricant

Environmentally friendly ingredients

Excellent wetting properties

pH value: 8

Metallographic diamond suspension

PURE-DS MT / PT

Pureon's ready-to-use diamond suspensions ensure consistently high material removal rates and excellent surface finishes.

They significantly reduce preparation time and improve the overall cost efficiency of the preparation process. The innovative suspension technology allows the full performance potential of the precision-graded diamond particles to be utilized. Performance-enhancing additives increase removal rates, while stabilizers prevent the diamond particles from settling. This improves process stability and simplifies handling. Specially developed dispersion technologies prevent surface defects caused by diamond agglomerates.

PURE-DS is a **diamond suspension with an integrated lubricant.**

It is easy to handle and ensures consistently reliable process results. The water-based, stabilized formulation is odor-neutral and keeps the diamond particles suspended for long periods of time. Its low viscosity enables very high removal rates while maintaining low consumption.

PURE-DS suspensions are water-based diamond suspensions with an integrated lubricant (2-in-1).

They represent a cost-effective and versatile suspension family available in particle sizes from 1/4 to 9 microns.

Typical applications

Typical applications for these suspensions include lapping and polishing of metallographic samples, metal components (ferrous and non-ferrous metals), optical components, and ceramic parts.

