

Forging Release Agents for Steel

Water-soluble Products

Product	Field of Application	Summary Explanation
Graphitex® 108	universal forging release agent	Aqueous, semi-colloidal forging lubricant which impedes the flow of the forged steel. Excellent release properties.
Graphitex® CR 720 K	universal product with a broad range of application (entire area of warm and hot deformation; crank shafts, axes, hollow parts)	The use of this product allows for the most difficult deformation, which are understood as hardly possible. Also suitable for forgings with deep engravings. The dispersion has perfect stability and homogeneity. The lubricating film is shiny and extremely smooth. Suitable for finest mist spray nozzles. <u>Feature</u> Graphitex® CR 720 K promotes the flow behaviour of the forging metal.
Graphitex® CR 7	ready-for-use product	Ready-for-use diluted. Although the product is thin, the graphite does not settle out.
Graphitex® 118 K	universal forging release agent for crank shafts and axes with very deep engravings, where strong expulsion is required; successfully sold for decades	A finely ground and extremely stable forging release agent of perfect homogeneity and stability. Due to its perfectly adjusted expulsion agents, also suitable for crank shafts with very deep engravings and counterweights. <u>Feature</u> Graphitex® 118 K controls the flow behaviour of the forging metal.
Graphitex® CR 28	forging release agent for the entire range of precision parts and small parts (connecting rods, bevel gears, etc.)	Universal forging release agent in high concentration containing an exactly dosed mixture of coarse and superfine graphite. Although the contained quantity of expulsion agent is very low, the product has an excellent release power. Therefore also suitable for complicated forging parts. <u>Feature</u> Graphitex® CR 28 controls the flow behaviour of the forging metal.

Oil-based Forging Lubricants for Hammers and Warm Extrusion Presses

Product	Forging Metal	Summary Explanation
Rexal S 99	steel	Viscous oil with high percentage of graphite. Rexal S 99 can be diluted with a thin oil in order to provide for better spray ability, a highly versatile product.

Forging Release Agent for Aluminium

Product	Field of Application	Summary Explanation
Graphitex® CR 25-9	forging release agent suitable for high-tech aluminium forging parts with high requirements on surface quality	<p>A perfectly stabilised graphite dispersion with little expulsion agent, which spontaneously adheres to the forging die and does not build up. Graphitex® CR 25-9 perfectly utilizes the forging forces and has excellent lubricating properties.</p> <p>Forging-related benefits</p> <ul style="list-style-type: none"> • improved flow behaviour of the forging metal (precise contours) • bright and free of streaks surfaces of the forged aluminium parts • parts can be painted and coated without problems • high dilution ratio with tap water • good stability of the graphite dispersion • reduced cleaning effort in further treatment