

Continuous Casting Solving start-up issues

MOVING YOUR WORLD



Copper Caster Mold Coating for Continuous Casting GLEITMO SRC 700 Series

Specially formulated for coating copper caster moulds during the start-up of continuous steel casting, these products create a continuous dry lubricating film that significantly reduces the high friction caused by the initial temperature gradient between the molten steel and the ingot mould surface.

Why apply GLEITMO SRC before casting?

- Prevents premature wear by reducing friction and the adhesion of steel splashes to the mould.
- Limits the risk of scale breakage, which in turn is inserted into the steel, modifying its composition.
- Prevents scratches on the ingot mould.
- Enhances the surface finish of the cast product.
- As it is a dry coating, it cancels the fume formation.

GLEITMO SRC 750

- Stable water-based graphite suspension with a special binder.
- Suitable for slabs, heavy plates, and beam blanks.
- This product can be applied by brush, roller or air spray.

GLEITMO SRC 749

- Stable alcohol-based graphite suspension with a special binder.
- Suitable for slabs, thin slab and bloom.
- This product can be applied by brush or roller.
- Short drying time.

GLEITMO SRC 783

- Graphite grease paste with a special binder.
- Suitable for casting with oil-injection lubrication, such as: billets, blooms, and beam blanks.
- This product can be applied by sponge or mop. Casting can begin 15 minutes later using the standard oil or powder lubrication.

More expert lubrication solutions in continuous casting



- 2. Copper caster mould
- 3. Oscillation table bearings
- 4. Cooling chamber, strand guide
- 9. Foot rollers

- 8. Ladle turret slewing ring
- 1. Refractories for ladle and tundish valves

- 6. Oxy-fuel cutting torches

- 10. Cardan shafts

- 5. Roller table gearboxes





- 11. Roller table drive chains

- 7. Dummy bar link bearings

1. GLEITMO SRC 700 Series: solid lubricants for refractories (ladle and tundish valves).
2. GLEITMO SRC 750: spray lubricant for copper caster mould. GLEITMO SRC 783: graphite-based ingot mould paste.
3. RENOLIT H 443: high-viscosity lithium grease with molybdenum for oscillation table bearings.
4. RENOLIT CC 2-1: high-performance grease for guide chambers, strand guides and oxy-fuel cutting run-out bearings.
5. RENOLIN PG Series: high-performance polyglycol-based gear oil for gearboxes.
6. GLEITMO 591 (OX): oxygen-compatible special grease based on highly stable synthetic oil and white solid lubricants for oxy-fuel cutting torches.
7. RENOLIT 300 AL: aluminium complex grease with graphite for dummy bar chains and bearings.
8. GLEITMO 585 M: lubricating paste with active white solids for ladle turret slewing rings.
9. PBC1574: metallic compound for foot roller bearings.
10. GLEITMO 585 M: lubricating paste with active white solids for cardan shafts.
11. RENOLIN CHAINLUBE HT 6020: high-temperature chain lubricant (+260 °C).
CEPLATTYN Series: high-temperature crane wire rope lubricant.

Lubricating oils: invisible allies in continuous casting

Every detail counts when it comes to continuous casting. And even though it's not visible, the lubricant is vital for everything to function efficiently. How? By protecting, optimising and enhancing performance.

	Prevents steel adhesion to the coppercaster mould , protecting both the equipment and the product.
	Facilitates mould release , making the process smoother and more efficient.
	Reduces friction , extending ingot mould service life.
	Improves the surface quality of the steel.
	Ensures uniform heat dissipation , enhancing microstructural homogeneity.
	Plus, our synthetic range reduces fumes and residues , leading to a safer, cleaner working environment.

The bottom line: enhanced performance, reduced maintenance, and superior quality. Choosing the right lubricant makes all the difference.

FUCHS continuous casting oils – proven performance

Product	Viscosity (Cst)
CENTEEZE U 50	45-60
CENTEEZE U 40	35-42
CENTEEZE U 85	80-90
CENTEEZE U 110	100-110
RENOFORM DS 220 *	75-85
RENOCAST 68 SINT *	65-75
RENOFORM DS 160 *	55-65
RENOFORM DS 180 **	55-65
RENOFORM DS 129	28-38

*synthetic solutions

**special for beam black



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