Castle Release 360

Mould Release Agent

Product Description:

CASTLE RELEASE 360 Bio-Release Agent is a unique balanced formulation of specialty nonhazardous oils and vegetable oil derivatives that provides excellent concrete release from metallic moulds used in both the Precast and Roof Tile manufacturing industries. CASTLE RELEASE 360 has been specifically designed to provide a high level of operator health and safety and to minimise adverse impact on the environment.

· Very cost effective due to its low use rate
· Most economical compared to other vegetable-based release agents
· Uniquely balanced formulation provides excellent release characteristics
· Can provide a class 1 -2 finish to concrete surfaces
· Suitable for both heated or ambient cured situations
· Resists build up on moulds and promotes easy clean up
· Assists in providing rust protection of moulds
· Finished concrete surfaces are suitable for painting (Follow paint suppliers recommendation)
· Maintains performance and workability at low temperatures
· Low use rate allows less storage and handling
· Provides a high level of operator health and safety due to it's low toxicity, volatility and bland odour characteristics.
· Not classified as a Dangerous Good enabling more flexible and convenient storage, handling and transportation
· Environmentally friendly - Unique formulation provides faster and more complete biodegradation for a cleaner and safer environment Available in: 20 Lt. Containers, 200 Lt. Drums, 1000Lt I.B.C.'s

Application:

PRECAST CONCRETE MANUFACTURE:

Apply CASTLE RELEASE 360 undiluted by spray, brush or mop. Apply at a rate of 50-100 m2 / Lt. or as little as possible whilst ensuring a thorough and even coverage over the entire working surface of the mould. This should provide optimum performance and minimize the potential for sticking, uneven release and buildup on the moulds. Excess material may compromise performance and can be removed with a mop or soft cloth. When applying by hand sprayer, it should have a cap type filling device to allow easy filling without the possibility of dust contamination. It should also be fitted with a suitably sized flat fan nozzle and appropriate tip strainer. A superior surface finish may be attained by applying CASTLE RELEASE 360 with a damp clean soft flannel cloth. CAUTION - Avoid use on rubber or latex fittings or moulds as CASTLE RELEASE 360 can penetrate these materials and cause shape distortion. Viton is generally recommended for seals and fittings.

ROOF TILE MANUFACTURE:

Apply CASTLE RELEASE 360 at 3–5 g/mould. Specialist advice from Castle Chemicals on application equipment may be required. It is recommended to contact Castle Chemicals for technical assistance if reusing over spray product. When stored indoors at temperatures below 40ºC and in closed original containers, this product can be stored for up to 1 year.

· Avoid exposure to air for prolonged periods.
· Product may thicken or solidify if cooled below 0ºC.
· Do not allow water to contaminate product.

For maximum life cycle, CASTLE RELEASE 360 should be stored in a cool place (<40°C) in its original sealed container.

Clear yellow to amber oily liquid	Odour: Bland oily
Pour point ~ - 10°C	Cloud point ~ + 5°C
Flash point >150°C	Viscosity (25°C)10 cSt
SG (20°C) 0.85	VOC <1%

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