

Datasheet for

Bencon VA Slip

Sustainability:

Bencon VA Slip is DGNB registered as a category 3 product.



Description:

Bencon VA Slip is a water-based release agent, which is manufactured without the use of organic dissolving agents. Bencon VA Slip is mainly manufactured for GRC and concrete element production.

Operation:

Bencon VA Slip is used as a release agent in precast production, as well as casting on construction sites (wet casting).
Used primarily for moulds of steel/metal, wood, plastic or glass fibre.
Can be used both in- and outdoors and is especially well-suited where there are high demands for both concrete surfaces and smooth maintenance of moulding equipment.

Advantages:

Bencon VA Slip is free of organic dissolving agents.
Bencon VA Slip is biodegradable.
Bencon VA Slip leaves no discolouration of the concrete surface.
Bencon VA Slip leaves a clean surface.
Bencon VA Slip leaves a smooth finish on the concrete surface.

Dosage:

Bencon VA Slip should be applied with spraying equipment. The best result is achieved by applying a thin uniform layer. Potential surplus Bencon VA Slip is wiped off with a cloth.
Remember over-dosage causes a reduction of release ability.
Range is 40 – 70 g/m², though dependent on the moulds suction and method of appliance.

Bencon VA Slip – continued

Limitations:

Shelf life = 9 months.
Should be stored between 0 - 40°C, protected against direct sunlight.
May not be mixed with additional products.

Physical Properties:

Appearance :	milky-white emulsion
Odour :	weak
pH :	7-8
Boiling point:	>260°C
Flash point :	>150°C
Density :	0,97 g/ml
Water dissol.:	Emulsion in water

Biodegradability:

Bencon VA Slip is a 100% biodegradable release agent. 95% of the release agent is dissolved within 28 days according to the CEC L-33-A94 test.
In comparison to a traditional mineral-based release agent is only dissolved approximately with 40%.
For casting of concrete elements, we recommend an absolute minimum use of Bencon VA Slip, which is due to two main reasons:

1. Release ability is reduced by over-dosage.
2. Over-dosage gives shadows/remains of release agent, which have to be removed mechanically

Bencon VA Slip has a special formulation and is specifically manufactured to be used in environmentally friendly productions, as it has an efficient degradability. By following our instructions and using as little release agent as possible there will be no excess oil remains, which could damage the environment.

An over-dosage of the release agent would take significantly longer to dissolve.

We encourage our customers to not use more than needed to achieve a perfect result – to think financially and consider the environment.