

## CIREX SI 041 WB

### External Release Agent – Water based

#### Description

CIREX Si 041 WB is a universal water based release agent which facilitates several releases per application and significantly reduces contamination of the moulds. It is stable at high temperature (410°C) and has a strong resistance to abrasion.

#### Application

The CIREX Si 041 WB is a release agent for thermoplastic, thermosets and for elastomers. It can be used in different application like injection, compression, transfer, RTM, hand lay-up and casting. Its formulation enables its treatment application without risk on PU lacquer

#### For a first application

- 1 - Mould surface must be thoroughly cleaned with cleaner CIREX Si 019. It will allow the release agent which allow a better adhesion and a better efficiency
- 2 - For use with a micro porous mould, first apply 1 or 2 coats of Cirex Si Bouchepor W1 (water based)
- 3 - Spray or apply with a clean cloth 4-5 light coats of the mould release agent every 15 minutes on the mould.
- 4 - You will need to buff every application of the mould release agent before the product is dry. If you want to obtain a shine, then buff again.
- 5 - Let dry the last coat 1 hour minimum

#### For a full treatment on a new or scoured mould

Leave it for 5 hours minimum or a full night in order to gain better result at the mould release (on a hot mould: shorten the time per the T°C, example 30mn at 100°C))

#### For upkeep

Re apply one fine coat of the release agent after few moulding and before the mould get soiled. Buff, then let dry for 1 hour to make it more efficient (< to hot)

#### Heat Treatment

Consult us (shorten time between coats)

#### Spray Gun Application

Better to use a spray gun with touch-type nozzle from 0,8 to 1,8

The pressure will be 0,6 to 1 bar maximum, according to the surface to be treated

Average consumption: 10 to 15ml / layer/ m<sup>2</sup>

*This type of application also requires a light buffing of each layer*

#### Storage

3 years in its original closed container – Shake well before use.

Keep away from cold temperature and frost. Closed back tightly after each use.

#### Packaging

Available in 1 Litre and 5 Litres

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