

TECHNICAL DATA SHEET

- Coatings
- Curing
- Waterproofing
- Moisture Proofing
- Protection
- Repair Products
- Primers
- Repellent

Boss ICB

DESCRIPTION

Boss Insulated Curing Blankets (ICB's) help protect freshly laid concrete from extreme ambient temperatures. Minimising temperature differentials prevents shrinkage cracking and help achieve desired concrete strength in shorter time frames.



AREAS OF APPLICATION

LOW AMBIENT TEMPERATURE CURING

- Boss ICB's capture the heat generated by the hydration process and minimise the temperature differential between the concrete core and the outer surface. ICB's also help increase the rate of cure in cool climates.

HIGH AMBIENT TEMPERATURE CURING

- Boss ICB's effectively create a insulated barrier on the surface of the concrete protecting the surface from radiant heat / sunlight minimising shrinkage cracking and moisture loss.

FEATURES & BENEFITS

- Minimises temperature differential between concrete core and surface preventing shrinkage cracking
- Reduces curing time frame in cooler weather
- Prevents shrinkage cracking.
- Reusable
- Eyelets set in to edge to enable joining of sheets and anchoring down to surface.

AVAILABLE SIZES

Boss ICB's are available in 2 different sizes and thicknesses. The foam insulating core is available in 6mm and 12mm and is encased in a heavy duty woven polyethylene fabric. The edges of the blanket feature eyelets to facilitate jointing and lashing down.

CODE	THICKNESS	WIDTH	LENGTH
CBB0644	6mm	4m	4m
CBB1264	12mm	6m	4m

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APPLICATION INSTRUCTIONS

Boss ICB's should be applied to the surface as soon as possible after the pour has been completed. Application of curing compounds (if required) should be applied and allowed to dry before installing curing blankets.

Blankets should be joined or overlapped at edges. To join, lash blankets together with a suitable twine or rope utilising the eyelets around the perimeter of the blanket. To overlap, ensure a minimum lap of 200mm and weigh down using a suitable weight such as timber board.

Blankets should also be secured to a fixed object to hold them in place to prevent them from being blown or moved by wind.

CLEAN UP & MAINTENANCE

Boss ICB's can be reused if cleaned and stored correctly. Hose blanket down after use and allow to dry. Once dry, fold and store in a dry place out of direct sunlight.

If outer layer of blanket has been damaged, discard blanket

LIMITATIONS

Avoid use in ponded surface water. If internal foam becomes wet, the blanket will lose its insulating effectiveness and will need to be discarded.

THERMAL RESISTANCE TEST DATA

DATA	RESULT
Test Method	ASTM C518-17
Specimen	304mm x 303mm x 6mm 310mm x 303mm x 12mm
Density	6mm - Approx 210kg/m ³ 12mm - Approx 103kg/m ³
Mean Temperature	15°C
Temperature Difference	10°C
Lab Environmental Condition	23±2°C, 50± 5% RH
Test Result	6mm - 0.171 (m ² K)/W 12mm - 0.300(m ² K)/W

DISCLAIMER

Boss products are manufactured to the highest quality, and if used in the correct applications and in accordance with all directions, will produce quality and consistent results. However, Allcon Group Pty Ltd accepts no responsibility for inappropriate usage or faulty workmanship by the end user.

Product: Boss Insulated Curing Blankets

Issue Date: June 2023



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