

CB -NV

Fire Cavity Barrier

Product Description

CB -NV Cavity Fire Barriers is pre-formed intumescent fire cavity barrier, manufactured from stone mineral wool of Non-Combustibility Rating, and are designed to maintain fire resisting performance to cavities in non-ventilated condition. Protected with fire-retardant water-shield lamination to provide lasting water resistance exposure, if any.

CB -NV is created using our exclusive RCS (Rapid Centrifugal Spinning) technology, which produces a very thin and even fiber structure, bonded by thermosetting resins & water repellent. In addition, application of the Pendulum System forms thinner and more even air layers that effectively block off heat flow.

CB -NV is capable of providing effective fire resistance, for Fire Integrity for up to 240 minutes for both Vertical and Horizontal cavity position, dependence on the construction of the external walls.

CB -NV is designed for use within cavities up to 600mm wide and only requires installation under friction fit.

Key Performance Properties

- Cavity Fire Barrier for use as Compartment for Floor, Walls, Under Raised-Floors, External Façade and Weather-Features
- Suitable for Cavities of min. 50 mm, up to 300 mm
- Suitable for use Vertically and Horizontally
- Tested for use in conjunction with masonry support brackets
- Lightweight highly durable insulation product
- Performance is not affected from moisture contact
- Fungi Resistant
- Vermin Resistant
- Non- Combustible
- Zero HCHO, TVOC
- Zero Ozone Depletion Potential
- Zero Global Warming Potential
- Asbestos- Free

Fire Resistance

CB -NV Fire Cavity Barrier is non- combustible when tested in accordance with British Standard 476: Part 4: 1970 “Fire Test on Building Materials and Structures – Non- Combustibility Test for Materials”.

CB -NV is capable of achieving up to 240 minutes, when tested in accordance with BS 476: Part 20.

Continuous installation of CB -NV shall have Galvanized Steel Impaling Clips of Thick 1.5mm x Width 50mm used in the installation of the product at interval of 450 mm, with adjacent butt joints sealed with CB-PP or KM-ALTransition Tape.

The information in this datasheet is believed to be accurate at the date of publication. Two Nine Six O has a policy of continuous product improvement and reserves the right to alter or amend the specifications of products without prior notice. Two Nine Six O does not accept responsibility for the consequences of using the products described outside of the recommendations within this datasheet. Expert advice should be sought where there is any doubt about the current specification or installation methodology of our products.

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Product Properties

Properties	Value
Reaction Fire	Non- Combustible, when tested to BS 476: Part 4
Fire Integrity	Up to 240 minutes
Thermal Conductivity	$k = 0.036 \text{ W/m.K}$
Biological Properties	Vermin and Fungi Resistance, does not encourage the growth of fungi, mold or bacteria.
Effect of Water	Unaffected by humidity.
Maintenance	No maintenance required once installed. Any alternation to the system installed required, to notify the specialist contractor.
Corrosion Resistance	CB -NV is made from chemically stable inorganic materials. Strong against acid, alkaline chemicals, and against degradation from weathering.
Maximum Service Temperature	Continuous Safe Operating Temperature: Up to 1000°C Intermittent Temperature: Up to 1200°C

Standard Sizes & Packaging

- Subject to Technical Review, CB -NV of Suitable Thickness and Width shall be proposed.
- Standard packaging is shrink-rapped polythene.
- Pre-cut of cavity barriers to your project requirements are available.

Technical Support

For Technical Advice or Support, please contact: contact@t2960.com.sg

For Installation Training or Site inspections, please contact: qaqc@t2960.com.sg

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