



PRODUCT TECHNICAL STATEMENT

<i>Material, product or form of construction</i>	Rapid Bracket® – Void Detector Holder (Model – RBVDHFR)
<i>Issued by</i>	Rapid Bracket Pty Ltd
<i>Reference number</i>	RBVDHFR-PTS
<i>Version and date of issue</i>	RBVDHFR-PTS Version 2.0, 19-06-2024

PRODUCT DESCRIPTION

The Rapid Bracket® is an apparatus to support smoke detectors in ceiling voids / ceiling spaces.

APPLICATION AND INTENDED USE

The Rapid Bracket® has been developed to promote the installation and maintenance of smoke detectors in ceiling spaces. The Rapid Bracket® is intended for use with ELV commercial detector systems. Installation of the Rapid Bracket® is possible at any stage of construction and also provides ease for future maintenance of detectors. The Rapid Bracket® can be installed in a range of flat ceiling materials with thicknesses ranging between 9mm and 32mm. The Rapid Bracket® can be extended to a maximum height of 3000mm

COMPLIANCE WITH THE NATIONAL CONSTRUCTION CODE (Australia)

Rapid Bracket Pty Ltd has determined that the Rapid Bracket meets the NCC requirements for fitness of purpose by following the procedures set out in the 2018 ABCB Evidence of Suitability handbook.

- Rapid Bracket has provided a certificate or report from a professional engineer or other appropriately qualified person,
- Other forms of documentary evidence such as but not limited to a Product Technical Statement.
- Rapid Bracket Pty Ltd has performed physical and thermal testing
- Rapid Bracket Pty Ltd has conducted 3rd party laboratory testing

LIMITATIONS OF USE

The Rapid Bracket® is designed to be used in strict accordance with the installation instructions and shall be installed in conjunction with the requirements of your local construction/building code, as well as any standards and specifications of accompanying equipment or building materials. No part of the Rapid Bracket® is designed to be a housing or enclosure for electronics or electrical equipment and cannot be used for that purpose. The installer is responsible for determining the compatibility and compliance of any other accompanying products or accessories. It is the installers responsibility to determine if the ceiling material is suitable for installation and if ceiling reinforcing or alike should be added for strength/stability. The appropriate method of reinforcing or back blocking is the installers responsibility. The Rapid Bracket® is not low smoke zero halogen. The Rapid Bracket RBVDHFR has a Heat Deflection Temperature of 200C + -5%. Its recommended normal operating temperature is -30C to +75C.

Rapid Bracket Pty Ltd takes no responsibility for:

Factors and conditions outside the control of Rapid Bracket Pty Ltd, including but not limited to:

- Faulty accompanying building materials or equipment;
- Damage incurred during transport, installation or storage
- Faulty design and/or construction of the premises;
- Maltreatment or Unsafe method of installation or faulty or unskilled application / installation;
- Unsuitable installation method, location or conditions or accompanying product compatibility

CONDITIONS OF USE

Rapid Bracket® must be installed in conjunction with any specifications of accompanying products or materials, or Standards relating to those products or materials, as well as any specific requirements of the relevant Building Classification or any other Construction or Building Code requirement relevant to the Country or region of installation.

The Rapid Bracket® must:

- be stored in a cool, dry environment prior to use;
- be installed vertically and cannot be installed on an angle.
- not be exposed to chemicals.
- not be installed in locations that are likely to be affected by weather, wind or strong air flows.
- not be exposed to UV radiation, installed in direct sunlight or left exposed to direct sunlight for periods of time.
- not be used as an electronic equipment housing or enclosure for electronics or electronic equipment

Rapid Bracket® is designed for detectors up to 500 grams in weight at the Detector Holder.

Rapid Bracket® is designed to support a cable weight of up to 1000 grams.

All cables must be supported with cable ties (or equivalent) at 500mm intervals above the tube holder and a cable tie tied at the horizontal connection point of the detector holder.

Rapid Bracket® must be installed by competent persons.

Recommendations found in this Product Technical Statement must be followed.

Differing accompanying building products and materials, environments, site conditions, product storage, handling and applications may affect installation methods, times and overall finished installed product.

INSTRUCTIONS FOR DESIGN, CONSTRUCTION OR INSTALLATION

The Rapid Bracket® has the following tools to assist with specification and installation which can be made available upon request

- The Rapid Bracket® Product Technical Statement (RBVDHFR-PTS)
- The Rapid Bracket® Product Installation Specifications (RBVDHFR-SPEC)
- The Rapid Bracket® Statement of Fitness for Purpose (Australia)
- The Rapid Bracket® “Australian Made®” certificate
- Plastic raw material data sheets and specifications

MAINTENANCE INSTRUCTIONS

It is recommended that The Rapid Bracket® is inspected annually for good working order.

SUPPORT

For product support or to download our latest technical information, please contact info@rapidbracket.com

DISCLAIMER

The information contained in this document is current as at 19 06 2024 and Rapid Bracket Pty Ltd has used all reasonable endeavours to ensure the accuracy and reliability of the information. Rapid Bracket Pty Ltd assumes no responsibility or liability for any inaccuracies, omissions or errors in this document, nor for any actions taken in reliance on this information.

Rapid Bracket Pty Ltd reserves the right to change the information contained in this document without notice. To ensure you have the most up to date information please contact info@rapidbracket.com

Rapid Bracket Pty Ltd is not liable for representations made by users, suppliers, or retailers about the product.

Rapid Bracket Pty Ltd is not liable for any loss or damage resulting from incorrect application, careless or negligent use or storage of the product. To the maximum extent permitted by law Rapid Bracket Pty Ltd disclaims all warranties in relation to manufacture and use of the product. Rapid Bracket Pty Ltd does not exclude rights and remedies that cannot be excluded by legislation. Any liability arising from use of the product is limited to the replacement of the product. In support of our policy of continuous product improvement, we reserve the right to change materials and specifications without notice.

Note: This Product Technical Statement is only valid when reproduced in its entirety.