



BlazeBlocker® F2 Fire Rated Sealant

Advanced Acoustic Rated Intumescent Formula

BlazeBlocker F2 Fire Rated Sealant is a water-based acrylic sealant. Suitable for use in internal and external expansion joints and for penetrations requiring a fire-resistant seal. BlazeBlocker F2 expands when exposed to fire to form an inorganic plug in joints and voids, assisting in the prevention of fire transmission across partitions in a building. BlazeBlocker F2 combines exceptional UV and water resistance with excellent flexibility, non slump properties and ease of application, making it ideal for internal and external application.

RECOMMENDED USES

- Linear gaps seals in plasterboard and dry wall linings
- Sealing and filling joints in fire rated partition walls and joints
- Interior & exterior joints
- Sealing joints in concrete precast panels
- Secondary sealing around penetration services.
- Acoustic gap filling

FEATURES & BENEFITS:

- Premium quality
- Flexible construction sealant accommodating up to +20% joint movement.
- Up to 4 hour fire rating when tested in accordance with AS1530.4 for joints up to 50mm
- Interior and exterior application
- Excellent UV & weather resistance
- VOC Compliant
- Priming not normally required
- Acoustic performance, high density when achieving Rw70 (tested to AS1276.1)
- Excellent adhesion to most building materials
- Easy application, tooling and finishing
- Non-hazardous, water-based, non-flammable & non toxic
- Paintable with water based paints
- Proudly manufactured in Australia

SUBSTRATES

- Concrete
- Brick walls
- Mortar
- Plasterboard
- Aluminium
- Zinc/ Galvanised
- Blockwork
- Steel inc Stainless
- Cable coverings (PVC)
- Fibre cement
- Hebel block
- Speed panel

PERFORMANCE SPECIFICATION:

Approved to AS1530.4:2014 and AS4072.1 for up to 4 hour integrity and insulation with FRL of -/240/240. Acoustic rating to AS 1191-2002 70Rw 220mm brick wall with separate stud, plasterboard and cavity insulation.

APPLICATION INSTRUCTIONS:

Surface preparation

Joint substrate should be clean and free of standing water, oil/grease, concrete spatter, dirt and dust, concrete release agents/bondbreakers and other chemicals or debris. Where or debris are present, these must be removed by chemical or mechanical means prior to application (consult the chemical manufacturer for correct removal process). Failure to do so will risk adhesion failure at the sealant edge/interface.

Joint Dimensions and Design

It is recommended that expansion joint sealants are installed using a 2:1 width to depth ratio to achieve maximum flexibility, except where joint widths are less than 10mm where a 1:1 ratio will suffice.

Please refer to the table below for acceptable designs.

Joints must be designed such that adhesion of the sealant occurs only on two sides of the joint three way bonding must be avoided. Where the BlazeBlocker F2 bonds to three different surfaces, it becomes susceptible to tearing under movement of the substrates.

Joint Width (mm)	Joint Depth (mm)
10	10
20	10
30	15
40	20
50	25

PRIMING:

Where the substrate is highly porous, such as blockwork and concrete, surfaces should be primed prior to application to avoid excessive moisture loss and subsequent weakness in the sealant.

Contact Intex for advice on a suitable acrylic sealer to apply over all high porosity substrates.

APPLICATION INSTRUCTIONS CONTINUED:

For best results, BlazeBlocker F2 should be applied at temperatures between 5°C and 35°C.

Cut the end of the sausage and place sausage barrel gun nozzle over the sausage's cut end. Place the sausage into the sausage barrel gun's housing and screw the nozzle head onto the housing of the barrel. For bulk product (10lt pails), use a bulk barrel gun.

Install suitably sized backing rod to fit the joint width to be sealed/caulked. Gun BlazeBlocker F2 joint space, facing the gun tip forward to ensure complete filling of the joint such that no voids are present which would weaken the strength of the joint. Finish tooling the joint within 15 minutes and wipe up excess material with a damp cloth immediately.

Protect from water until suitably cured.

CLEAN UP:

Clean tools and equipment immediately after use with water. Once cured, BlazeBlocker F2 removed by mechanical means.

CURE TIME:

Cure times can vary substantially and are dependent on weather conditions such as temperature and humidity, porosity of substrate, and the joint dimensions.

Typically, a joint will form a firm skin in 2-3 hours and take up to seven days to fully cure (dependent on joint thickness and weather conditions). Joints exceeding 10-15mm in thickness/depth may take more than seven days to cure. Cold or very humid climates will extend cure time beyond seven days.

PAINTING:

BlazeBlocker F2 may be painted with water based acrylic paints. It is the painting contractor's responsibility to ensure the sealant has cured sufficiently to withstand the paint application process without sustaining damage. For optimum results, do not paint for at least 6 hours after application, and for best results week after application. Paints with similar flexibility to BlazeBlocker F2 will result in the best appearance and performance over the longer term.

Joint Width	Joint Depth	Coverage per sausage (600ml)
10mm	10mm	6.0m
20mm	10mm	3.0m
25mm	15mm	1.6m
30mm	15mm	1.5m
40mm	15mm	1.0m
40mm	20mm	0.8m
50mm	20mm	0.6m
50mm	25mm	0.5m

Substrate	Substrate Thickness	Joint Width	Seal depth	FRL (minutes)
Concrete Precast	180mm	10	10	-/240/240
Concrete Precast	180mm	30	15	-/240/240
Concrete Precast	180mm	50	25	-/240/240
Hebel	75mm	10	10	-/90/90
Hebel	75mm	30	15	-/90/90
Hebel	75mm	50	25	-/90/90
Plaster Board	13x2mm	4	4	-/180/120
Plaster Board	13x2mm	12	12	-/180/120
Plaster Board	13x2mm	20	20	-/180/120

Note: Intex BlazeBlocker was tested with foamed polyethylene (PE) backing rods, which controls the depth of seal and fills only part of the gap. PE or similar material rods may be used provided it does not extend to within the depth of the seal on either face.

PRECAUTIONS:

BlazeBlocker F2 must be protected from water exposure for at least 24 hours after application to avoid washout and bleeding/running of the sealant. Do not apply BlazeBlocker F2 if temperatures are below 5°C or higher than 35°C.

BlazeBlocker F2 is not recommended for:

- Trafficable and loadbearing joints.
- Sealing coated metal panels such as Colorbond™
- Use with absorbent materials such as stone, granite and limestone as it may stain.
- Use in water-retaining structures or in submersed conditions
- Exposure to corrosive chemicals

Typical Properties	
Colour	Concrete Matt Grey & White available
Viscosity	800,000 – 1.2 million cps TF/5/20°C
Specific Gravity	Approx 1.53
Maximum Permissible Joint Movement	+/- 20%
Skin Time	Approx 15-20 minutes (@ 20°C & 70% R.H.)
Paintable	6-8 hours (@ 70% R.H.) or once a suitable skin has formed
Full Cure (20mm wide / 10mm deep joint)	Approx 7 days (@ 20°C & 70% R.H.)
Service Temperature	-10°C to 80°C
Maximum Joint Width	50mm x 25mm
Hardness (Shore A)	25 - 35
Working Time	25 - 35 minutes

SAFETY DIRECTIONS:

Shelf Life & Storage

Shelf Life is at least 12 months when stored at 20°C in original sealed containers. Store material out of direct sunlight at temperatures between 5°C and 35°C. Do not freeze.

DISPOSAL

Dispose of empty containers and residue in accordance with local waste management regulations.

FIRST AID

Please read the Safety Data Sheet prior to use.

Ensure Occupational Health and Safety requirements are observed and standard industrial hygiene practices are followed during use. For more detailed information, please read the SDS for this product.

DISCLAIMER

The information and any recommendations relating to the application and end-use of all INTEX products are provided in good faith based on INTEX's knowledge and experience of the products. In applications, the differences in materials, and variances of substrates and actual site conditions can vary such that no warranty in respect of fitness for a particular purpose, nor any liability arising out of any legal relationship whatsoever, can be taken as inferred either from this information, or from any written recommendations, or from any other advice offered by INTEX. The proprietary rights of third parties must be observed. All orders are accepted subject to our sale terms and conditions. All users should always refer to the most recent and up to date issue of the Technical Data Sheet for the product concerned, which is available on request. It is recommended that products should always be properly stored, handled and applied under tested and recommended conditions. PLEASE CONSULT OUR TECHNICAL DEPARTMENT FOR FURTHER INFORMATION.

Intex

Intex International
91-115 Link Drive, Campbellfield
Victoria, Australia 3061
Tel: +61 3 9357 9299
ABN: 95919466212

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intexinternational.com

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