

Technical Data Sheet

FSA FIRECOAT Exterior

Publication Date: 18 Dec 2023

<p>Overview</p>	<p>FSA FIRECOAT Exterior is water-based, halogen-free intumescent paint for fire protection of a variety of combustible substrates with a grey finish. FSA Paint meets the requirements for bushfire resisting timber specified in AS 3959:2009 Construction of Buildings in Bushfire Prone Areas Appendix F. FSA Paint includes the accelerated weathering component.</p>
<p>Key Advantages</p>	<ul style="list-style-type: none"> • Water-based • Halogen-free • Compatible with most water-based exterior topcoats. Nevertheless, we recommend testing a specific topcoat on a small surface as we can't control all application conditions.
<p>Where to use FSA FIRECOAT Exterior</p>	<p>FSA FIRECOAT Exterior can be used for both interior and exterior applications with or without compatible topcoats and applied with brush and roller. It is recommended to apply with airless spray equipment for speed and quality of finish.</p>
<p>Application Procedure</p>	<p>Surface preparation</p> <p>Prior to application all surfaces should be clean, dry, free from contaminants and any loose or flaking paint. Existing coatings with poor adhesion must be removed. Timber surface should be completely dry prior to the application.</p> <p>Mixing</p> <p>Prior to use stir the contents thoroughly using a paint paddle or using a power mixer, ensure paint is mixed from bottom to top of the pail.</p> <p>Application condition.</p> <p>Only apply and cure FSA FIRECOAT Exterior at temperatures above 10 °C and below 35°C throughout the entire painting process with good air circulation and a relative humidity no greater than 75%. Avoiding extremely hot or cold conditions is advisable for optimal results.</p> <p>Application method</p> <p>FSA FIRECOAT Exterior can be applied by brush, roller, or airless spray. Do not thin FSA FIRECOAT Exterior. Brush: Use top quality polyester/nylon blend brush or similar. Roller: Use 20mm or greater polyester blend nap roller. Airless spray: Use airless spray with a minimum 1 GPM rating at 3000 psi such as Graco 795, 1095 or similar. Tip is 531 or greater with a pressure of 2100 psi or higher. Due to the unique properties of FIRECOAT it is</p>

	<p>important to use an airless spray gun with the right specification as others may clog.</p> <p>Water-based acrylic paints can be applied as a top-coat for aesthetic purpose on the top of FSA FIRECOAT. Allow FSA FIRECOAT to fully dry before applying the topcoat.</p> <p>Hint: For smooth surface finish, use a brush or roller with a smaller nap to finish.</p> <p>Coating Thickness & Coverage</p> <p>The ideal coverage of FSA FIRECOAT Exterior for BAL-40 is 1.43 Square Metres Per Litre Per Coat.</p> <p>For BAL-40: Apply 3 coats using a 20 mm or greater nap roller to achieve a total Dry Film Thickness of 1.0 mm (minimum).</p> <p>Recoat and Drying time</p> <p>Drying time depends on temperature, air movement, humidity, coating thickness and method of application.</p> <p>At ideal drying conditions of 24°C with good air circulation and a relative humidity below 50%, the applicable drying time is:</p> <ul style="list-style-type: none"> • at least 4-6 hours between coats of FSA FIRECOAT Exterior • at least 12 hours before applying topcoat. <p>Make sure the paint is thoroughly dry to touch before applying the next coat. Failure to do so may lead to cracking and peeling between coats. Full hardness is achieved after 7 days.</p> <p>Repair</p> <ul style="list-style-type: none"> • Repair any damage to the substrate if required prior to re-application of FSA FIRECOAT Exterior. • Remove any loose material or paint flake and sand through any rough edges. • Make sure the surface is clean and dry and apply FSA FIRECOAT Exterior to the damaged area at the intended thickness and as per the manufacturer's specification.
Cleaning Equipment	Wash application tools in cold clean water and flush airless spray equipment promptly after painting. Clean and remove any dried product. Use all products completely or contact a licensed disposal company for any unused products.
Limitations	<p>Topcoat choice will affect the undercoat durability.</p> <p>Use the recommended topcoats for the corresponding interior/ exterior use.</p>
Storage & Shelf Life	<ul style="list-style-type: none"> • Store at temperature between 5-35°C • Store away from direct sunlight and extreme heat. • Keep containers closed when not in use. • Keep out of reach of children and pets.

	<ul style="list-style-type: none"> FSA FIRECOAT Exterior has a shelf-life of 24 months if stored in original sealed containers under the recommended storage conditions above.
Safety Recommendations	<p>This product is not classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) including Work, Health and Safety regulations, Australia. However, Safe work practices should still be followed.</p> <p>All users should refer to the Safety Data Sheet (SDS) for FSA FIRECOAT Exterior for further safety and handling information.</p> <p>Use only in well-ventilated area.</p> <p>Avoid contact with skin and eyes.</p> <p>Wear suitable protective clothing when handling.</p> <p>FIRST AID: If swallowed, rinse mouth. Do NOT induce vomiting. Seek medical attention. If eye contact occurs rinse with water for a minimum of 15 minutes. Call a doctor if irritation persists. If skin contact occurs, remove contaminated clothing and wash skin thoroughly with water. Wash clothing before re-use.</p>
Testing & Results	<p>FSA FIRECOAT Exterior is tested and passed to the following standards:</p> <p>AS1530.8.1 (BAL 40), tested at Warrington Fire</p> <p>AS3837 - External Cladding</p> <p>AS3959 APP F - Bushfire Resistant Timber</p> <p>ISO 5660 - Heat Release & Smoke Production, from RISE Sweden</p> <p>ASTM D2898 - Weathering Report, from CSIRO</p> <p>Certified to be non-irritant for skin and eyes at independent tests at Eurofin.</p>
<p>Disclaimer: While every care is taken and users are always directed to follow the instructions for application explicitly, Flame Security International Pty Ltd has no direct control over the end application of the product. Flame Security International Pty Ltd nor any of its employees, contractors or agents are responsible or liable for any claim, loss or damage which might arise from the use of FSA FIRECOAT Exterior.</p>	

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