



RAINBOW

SPRAY-APPLIED FIRE RESISTIVE MATERIAL

PRODUCT NUMBER	F-2
TYPE	FIRECUT F-2 is used for the interior steel structures of buildings with excellent adhesion. FIRECUT F-2 is formulated with materials such as cement, vermiculite, fiber (asbestos-free) and special inorganic fire protective materials, not only to keep cement rigid intensity also with the tough characteristic of interlaced fiber like net, and its physical properties are better than the similar products of market. When burning could not generate any toxic smoke and is still firm as in the beginning so without destruction will be arisen by fire storm.
CHARACTERISTICS	<ol style="list-style-type: none">1. Excellent physical properties: To be firm and light after drying, excellent compact, compression and bend resistance to suffer hits hard without flaking because of containing the anti-crack textile fiber even had fairish physical properties after flame burning for three hours without chalking or softening to bear convective wind of fire scene and guaranteed its fire protection strength.2. Without containing asbestos: The product is completely excluded any asbestos ingredient through the test of Performance Experiment Center Architecture and Building Research Institute Ministry of the Interior to prove. And Flame Spread Index (FSI) and Smoke Developed Index (SDI), it would meet the requirement of Class A interior Wall & Ceiling Finish Category through the test of SGS according to ASTM E84 (UL723).3. Inhibit mold growth: Firecut F-2 can inhibit mold growth through the test of SGS according to ASTM G21.4. Easy application and low pollution: Add water and stir then may spray immediately, good flowing and moderate viscosity. The finish can be topped various protective and decorative coatings. (optional) To apply the decorative coating not only may increase the colorful appearance also may protect the fire protection coating to avoid directly contacting with air pollution to consumedly extend warranty period. Firecut F-2 test results of Cadmium, Lead, Mercury, Cr (VI) comply with the limits as set by RoSH Directive through the test of SGS to prove.5. Good quality and adequate supply: Obtained Germany TUV CERT DIN EN ISO 9001:2015 Certification and joined Follow-up Server of American Underwriters Laboratories Inc. Production uses automatic equipment and annual capacity may reach 1,000,000 packages. The stability of quality and supply is absolutely better than domestic and foreign products.6. Certifications of fire test:<ol style="list-style-type: none">A. Obtained American U.L. Certification according to UL 263 (ASTM E 119) "Tests the performance of walls, columns, floors, and other building components under fire exposure conditions" and registers in American Underwriters Laboratories Inc. annual issue fire-resistance directory, Design No. D983, N853, Y738.B. Passed the test of England Exova Warringtonfire according to EN 13381-4: 2013 and BS 476, Part 21 : 1987. Also participate in the product traceability system (Cert. No. CF5482) of the third party certification organization in U.K.C. Obtained European CE Marking Label (Certificate of constancy of performance 1121-CPR-GB5002). <p>Because the fire protection coating belongs to porous material also will be exposed in open environment for a long term, therefore a proposal is to top one dustproof or waterproof coating to increase durability and beautiful appearance.</p>
APPLICATION OF PAINT	
NOTE	<ol style="list-style-type: none">1. The lowest environment of application and surface temperature of substrate must be above 4°C also the ambient temperature in the before and after of application within 24 hours must be exceeded too.2. The lowest environment of application and surface temperature of substrate must be below 50°C.3. The temperature of substrate must be minimum 2°C above dew point temperature.

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YUNG CHI PAINT & VARNISH MFG. CO., LTD.

No.26, Yen Hai 3rd Road, Kaohsiung, Taiwan.
<http://www.rainbowpaint.com.tw>

TEL:886-7-8713181
FAX:886-7-8715443