



RAINBOW

SPRAY-APPLIED FIRE RESISTIVE MATERIAL (exterior / UL1709)

PRODUCT NUMBER	F-100
TYPE	FIRECUT F-100 based on cement, vermiculite and special high chemical resistant fiber, and is a no asbestos containing inorganic fire protection material for exterior and interior use. It has rigid and tough characteristics also may resist rapidly rising temperature and polluted environment, and is the best fire protection coating for petrochemical plants and general industrial equipments.
CHARACTERISTICS	<ol style="list-style-type: none">1. Excellent physical properties: 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. Very good weather resistance: F-100 contains high chemical resistance special ingredients, although exposed in exterior polluted environment for a long term, but still keeps its high physical properties and fire protective performance. It passed the simulative test of atmospheric environment such as aging, high humidity, industrial air pollution, salt moisture and combined wet, ice, dry cycle etc for exterior of petrochemical industry through Underwriters Laboratories Inc. according to UL 1709.3. Without containing asbestos: The product is completely excluded any asbestos ingredient through the test of Building Performance Institute Experimental Group of Ministry of the Interior to prove, also smoking quantity is a zero through the test of American Underwriters Laboratories Inc. according to ASTM E84 (UL723).4. Self corrosive prevention: The containing ingredient may inhibit the oxidation of iron and do not cause corrosion phenomenon to directly contact with steel.5. Easy application and low pollution: Add water and stir then may spray or trowel immediately, good flowing and moderate viscosity. The finish can be applied 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.6. Good quality and adequate supply: Obtains Germany TUV CERT DIN EN ISO 9001:2000 Certification and joins 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.7. Certifications of fire test:<ol style="list-style-type: none">A. Obtained American U.L. Certification according to UL 1709 and registered in American Underwriters Laboratories Inc. annual issue fire protection dictionary, Design No. XR 713.B. Obtained American U.L. Certification according to UL 263 and registered in American Underwriters Laboratories Inc. annual issue fire protection dictionary, Design No. N770, Y706, Y716 and Y717.C. Obtained Certification of National Building Materials Quality Supervision, Inspection and Fire Protection Center of Dujiangyan, Sichuan China according to GB14907-2002 and registered in official website of China National Building Materials Quality Supervision, Inspection and Fire Protection Center.
APPLICATION OF PAINT	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.
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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