

# **FIREFILM® III – PATCH AND REPAIR GUIDE**

**READ THESE INSTRUCTIONS CAREFULLY BEFORE PATCHING, REPAIRING, CONNECTING, WELDING, OR BOLTING STEEL THAT HAS BEEN PROTECTED WITH A/D FIREFILM III.**

**For A/D FIREFILM III application information, please refer to the A/D FIREFILM III Application Guide.**

## **PATCHING SMALL DAMAGED AREAS**

Completely remove A/D FIREFILM III to slightly beyond damage area, using a grinder, utility knife, chisel, or by sandblasting. Using sandpaper, remove an additional ¼ inch of topcoat.

Clean steel surface of dust, dirt, grease or any other material that would impair bond and reapply primer if existing primer is damaged (see A/D FIREFILM III technical manual for list of approved primers). If a different approved primer is used over an existing primer, ensure that they are compatible.

The area cleaned above may be built up with A/D FIREFILM III or A/D FIREFILM Putty.

Refer to the A/D FIREFILM III Application Guide for application information, including required surface preparation, product limitations, humidity, temperature, application rates, drying times, and topcoat application.

## **CLAMP-ON CONNECTIONS INSTALLED AFTER APPLICATION OF A/D FIREFILM III**

Examples of clamp on connections include pipe, sprinkler pipe and utilities support brackets.

Small to medium size clamps and clips are usually left unprotected. Large clamps and clip supports are usually protected with the same thickness of A/D FIREFILM III or A/D FIREFILM Putty as the structural member, due to the possibility of heat transfer. These connection details are usually not addressed in the fire test design information. It is recommended that the Authorities Having Jurisdiction be consulted for approval and confirmation of their requirements.

Where support clamps are required to be protected, the coating should be applied where the clamps are in contact with the structural member, and for 4 inches beyond the structural member. Refer to the A/D FIREFILM III Application Guide for application information, including product limitations, required surface preparation, humidity, temperature, application rates, drying times, and topcoat application.

If A/D FIREFILM III is damaged when clamped connections are removed, the affected area should be touched up in accordance with "PATCHING SMALL DAMAGED AREAS" above.

## **WELDED CONNECTIONS INSTALLED AFTER APPLICATION OF A/D FIREFILM III**

Welded items such as plates and wide bracket supports are usually protected with the same A/D FIREFILM III thickness as the supporting member due to the possibility of heat transfer. These details are usually not addressed in the fire test design information. We recommend the Authorities Having Jurisdiction be consulted for approval and confirmation of their requirements.

Prior to welding connections, remove A/D FIREFILM III a minimum of 3 inches beyond the area to be welded, using a grinder, utility knife, chisel, or by sandblasting. Using sandpaper, remove an additional ¼ inch of topcoat.

After welding is complete clean steel surface of dust, dirt, grease or any other material that would impair bond and reapply primer. Apply A/D FIREFILM III or A/D FIREFILM Putty to the areas that were cleaned, and to the connecting items if required. Refer to the A/D FIREFILM III Application Guide for application information, including required surface preparation, product limitations, humidity, temperature, application rates, drying times, and topcoat application.

## **BOLTED STEEL CONNECTIONS INSTALLED AFTER THE APPLICATION OF A/D FIREFILM III**

Bolts or threaded rods of ¾ inch diameter or less are usually left unprotected. Bolts or threaded rods greater than ¾ inch diameter are usually protected with the same thickness of A/D FIREFILM III as the supporting member, due to the possibility of heat transfer. These connection details are usually not addressed in the fire test design information. We recommend the Authorities Having Jurisdiction be consulted for approval and confirmation of their requirements.

If drill oil is used, oil should be cleaned up soon as possible.

If the A/D FIREFILM III is damaged after drilling, the affected area should be touched up in accordance with "PATCHING SMALL DAMAGED AREAS" above.

If there is no damage to the A/D FIREFILM III systems after drilling, no additional treatment is required.

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