

# UNIFIRE -X FPC-10 FIREPROOF COATING

Fire Test March 12, 2010 By Universal Protective Technologies.



Above shows 5/8" Fire Rated Sheet Rock on Left claims to be rated 1 hour, UNIFIRE-X FPC-10 on Right a 1/2" also claims to meet 1 hour. These specimens show how they handle a direct fire up to 1100 degrees F. The fire rated sheet rock in 22 minutes burns through leaves a penetration hole. Unifire-X after one hour (60 Min.) same test no break through no penetration, light discoloration.



Fire rated sheet rock 5/8" above shows fire at 1100 degrees F, after 22 minutes burns through as seen on back side on right. The heat transfer to back or rear of sheet rock was 725 F degrees. A continued heat build up is possible, igniting other materials or weakening others it is to protect.



Compare: left Fire Rated Sheet Rock 5/8" ( rated at 1 hour) fails test. Burns through in 22 minutes with a heat transfer to back at 725 F degrees. UnifireX 1/2" on right after one hour no burn through heat transfer to back 375 F degrees, slight discoloration only. When applied as a Spray On it is not restricted as rigid sheet rock.

Test clearly shows that 5/8" Fire Rated Sheet Rock does not match its 1 hour claims. The biggest problem with FR sheet rock is high heat transfer to other side. Example a fire rated steel door does not catch fire but transfers the heat like a fry pan. UnifireX resist high heat and lowers heat transfer does not break down and protects like no other. (See Technical Data)