

Unique Fire Stop Online Certification Training Study Guide/Practice Test

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Certifications will be awarded for 100% scores only.

The purpose of this study guide and practice test is to train the cabling professional with the concept of [Firestopping by the Numbers](#). Let's see if you understand the concepts and can apply its theory in a few scenarios.

Directions: We recommend that you print out this Study Guide/Practice Test before taking the official online test. Complete the training using the website as you would an open book test. The answers can be found on each of the [Unique Firestop Product Systems' description pages](#). Record your answers here. Then go back to the Certification Training page on our website and submit your answers online. Your test will be graded and you will be contacted. Please retain this written test in case we need it for further review. You may be asked to resubmit answers for any missed questions.

To be listed on the Map of Certified Installers: You must be employed by a company in the cable installation business, a firestop contractor, engineer, architect, or wire/cable distributor/specifier. Certifications are issued to the INDIVIDUAL, not the employer. However, either the individual or your employer's company name may be listed on the [Map of Installers](#). If you choose to list your employer's name, your listing will include links to your individual email and your employer's website. **Only 1 Corporation listing may be posted in each city within each State.**

NOW BEGIN THE TEST. GOOD LUCK!

Scenario 1: Retrofit

Joe from a local hospital calls your office. He is concerned about some cables penetrating fire rated walls and saw you listed as a Certified Installer on the Unique Fire Stop Products website. The Joint Commission will pay him a visit soon and he is about to panic. He is interested in our Split Sleeve System. Can you help him?

Joe has (50) Cat 5 UTP cables that are routed through a firewall with (4) sheets of 5/8" fire rated gypsum. The cables are .20" in diameter. Use [Firestopping by the Numbers](#) to answer the following questions.

1. What is the rating of the barrier?
 - 3 hours
 - 2 hours
 - 1 hour
 - 4 hours
2. Which UL System did you select for this job?
 - W-L-3234
 - W-L-3232
 - F-A-3019
 - W-L-3231
3. What % cable load is permitted with this listing?
 - 48%
 - 38%
 - 70%
 - 100%
4. How much intumescent putty should be packed in the ends?
 - ½ inch
 - 2 inches
 - 1 inch
 - None
5. Does the listing require mineral wool batt insulation as "packing"?
 - No
 - Yes

6. What size Split Sleeve did you spec for this job?
 - SSS-1
 - SSS-4
 - SSS-2
7. How will you go about seeking pre-approval from the AHJ?
 - A phone call
 - A fax
 - An email
 - Download and submit the AHJ request for consideration in such a way as to insure I get a copy of the "approved" document.
8. Why should you take a digital photo when finished?
 - Looks professional
 - Protects me from others misusing my system and tells me if additional room exist for more cables
 - For Facebook
9. What is a MSDS?
 - Material Sure Does Shine
 - Material Safety Data Sheet
 - Material Specification Data Sheet
 - Material Specifications & Description Sheet
10. What are the dimensions of the SSS-4 washers?
 - 4 inches square
 - 6 inches square
 - 7 inches x 7 inches
 - 8 inches square

Scenario 2: New Installation- Horizontal

Joe is calling again. Now he is installing new cables and would like for you to install sleeve systems for his job. He is running (100) Cat 5E cables measuring .25" each, through a cinder block wall. The wall is not reinforced with concrete or steel rebar. Use [Firestopping by the Numbers](#) to answer the following questions.

1. What is the rating of the wall?
 - 1 hour
 - 2 hours
 - 3 hours
 - 4 hours
2. What type and size system did you select for this installation?
 - 1" Split Sleeve System
 - 2" Threaded Firestop Sleeve
 - 4" Smooth Firestop Sleeve
 - Membrane Firestop
3. What UL System did you select?
 - W-L-3231
 - W-J-3109
 - W-L-3109
 - F-A-3019
4. What % cable load is allowed with the UL System you selected?
 - 48%
 - 34%
 - 70%
 - 100%
5. How much intumescent putty is required to seal the end of the Sleeve System?
 - 1 inch
 - 2 inches
 - 3 inches
 - Pack it full of putty

6. How many additional .25" cables may be installed later?
- 1
 - 10
 - 20
 - 100

Scenario 3: New Installation - Vertical

Joe is now expanding their offices to include running cables between floors. You must core drill and route (175) Cat 5 cables vertically between floors. The cables are .20" in diameter. This is a metal pan, poured with a 3" slab of concrete. Please use [Firestopping by the Numbers](#) to spec this job and answer the questions below.

1. What system have you selected for this job?
 - Smooth Firestop Sleeve
 - Threaded Firestop Sleeve
 - Split Sleeve System
 - Membrane Firestop
2. What UL System have you selected?
 - W-L-3230
 - F-A-3091
 - F-A-3019
 - W-J-3109
3. What is the part# Sleeve System will you use?
 - TF-1
 - TF-2
 - TF-4
 - TF-5
4. How much mineral wool is required as a minimum?
 - 1 inch
 - 2 inches
 - 3 inches
 - 4 inches
5. What size core drill will you bore for the 4" Threaded Firestop Sleeve?
 - 2 inches
 - 4 inches
 - 4 ½ inches
 - 5 inches
6. How much putty is required as a minimum? READ the listing...many people miss this question.

- ½"
- 1 inches
- 2 inches
- 3 inches

Scenario 4: New Installation - Membrane Penetration

Joe is perplexed about routing cables inside his fire rated walls from the ceiling grid. He has on many occasions just popped a hole with a screw driver in the drywall and dropped his cables in and fished them out. NOW, the State Fire Marshal will require the membrane penetration be done with a "tested " System. The Fire Marshall wants the existing membrane penetration violations retrofitted. Think about this for a moment and answer the questions below.

1. Individual workstation downtime is not an issue. How will you retrofit existing penetrations?
 - Cut the cables and pull new ones inside a Membrane Firestop
 - Un-terminate at the jack, pull the cables out, route them through a Membrane System, fish them back in and re- terminate
 - Install a bead of caulk and hope the Inspector will pass it
 - Fill the hole with sheet rock mud
2. What UL System did you select?
 - W-L-2330
 - W-J-3230
 - W-L-3230
 - F-A-3019
3. What hardware, supplied with the System, is required to attach the Membrane Penetrator to the wall?
 - Putty
 - Caulk
 - Expanding anchors
 - Sheet rock mud