

1. PRODUCT NAME

TYPE 7GP

2. PRODUCT DESCRIPTION

Basic Use: TYPE 7GP is a UL listed, spray applied single component, and factory blended cementitious fireproofing specifically formulated for interior high humidity areas. TYPE 7GP is resistant to damage and moisture and is an excellent choice for use in high traffic areas, mechanical rooms, swimming pool areas elevator shafts and parking garages.

Composition and Materials:

TYPE 7GP is a noncombustible blend of high quality Portland cement and asbestos-free vermiculite. TYPE 7GP requires only the addition of water at the job site.

Limitations: Not intended for direct exposure to weather. Contact your A/D representative for alternate product recommendations.

Packaging: 50 lb. (22.6 kg) in polyethylene bags.

3. FEATURES

Damage Resistant and Permanent:

TYPE 7GP is a medium density fireproofing. It is harder, stronger and more durable than general fireproofing. It is ideal for protection of structural steel under conditions too severe for general fireproofing

where the potential for damage exists.

Moisture Resistant: TYPE 7GP is Portland cement based which provides it the ability to withstand the effects of high humidity that may cause other fireproofing products to deteriorate.

Durable: TYPE 7GP is medium density fireproofing. It is hard and durable. It will resist damage and abuse from conditions too severe for general fireproofing.

Economical: TYPE 7GP offers the lowest installed cost when compared to products with similar performance characteristics.

4. TECHNICAL DATA

Physical Properties: Refer to Table 1.

Fire Resistance Ratings:

TYPE 7GP has been subjected to numerous fire endurance tests in accordance with ASTM E-119. Refer to Table 2 and UL's Fire Resistance Directory for fire rated designs.

5. INSTALLATION

Surface Preparation:

Surfaces to receive TYPE 7GP must be free of oil, grease, loose scale or other substances that may impair adhesion. Hangars, clips or other

attachments must be in place prior to fireproofing application.

Method: TYPE 7GP is applied only by authorized applicators. Refer to application manuals for further details.

Caution: *When applying Type 7GP to flexible roof systems it is required that Type DK adhesive is used. Also be sure that all roof work is completed and water tight before commencing installation of fire protection. Roof traffic shall be limited to maintenance only after the fire protection has completely cured.*

Maintenance: No maintenance should be required. Damage caused by other trades should be patched at the expense of trade causing damage.

CODE COMPLIANCE

TYPE 7GP has been tested and listed by UL. Design numbers are indicated in Table 2. These fire resistance designs and associated testing fully qualify TYPE 7GP to the requirements of BOCA, ICBO, SBCCI, UBC, the National Building Code of Canada and other code authorities.

PHYSICAL PROPERTIES - Table 1

Property	Result
Density, ASTM E 605	350 kg/m ³ (22 pcf) nominal
Combustibility, ASTM E 136	Passed, noncombustible
Compressive strength, ASTM E 761	17136 psf (820 kPa)
Cohesion / Adhesion, ASTM E 736	>1000 psf (>47.9 kPa)
Air erosion, ASTM E 859	0.004 g/ft ² after 24 hours at high speed (2000 ft/min)
Deflection, ASTM E 759	Passed, no spalling or delaminating
Shore D Hardness, ASTM D 2240	20.1
Impact, ASTM E 760	Passed, no spalling or delaminating
Corrosion of Steel, ASTM E 937	Passed
Surface burning characteristics, ASTM E 84	FSI = 0, SD = 0
Fungi Resistance, ASTM G 21	No growth

Note: These results are from laboratory tests of samples prepared and tested in accordance with the test methods indicated. Results of field tests will vary. We do not warrant that identical results will be obtained or repeated.

UL FIRE RATED DESIGNS - Table 2

Construction Type	Rating(s), hours					Design No.
						ULI
	1	1.5	2	3	4	
Protected Floor, Ceilings	B	B	R	R	-	D703*
	B	B	B	B	B	D739*
	B	B	B	B	-	D743*
	U	U	B	B	B	D744
	-	U	U	R	-	D753
	-	U	U	R	R	D754**
Unprotected Floor Ceiling	R	R	R	R	-	D916
	-	R	R	R	-	D917
	R	R	R	R	-	D923
Concrete Floor or Roof	U	-	R	-	-	J701
	-	-	B	B	B	J704
	-	-	B	B	B	J705
	B	B	B	B	-	J709
	-	-	B	R	R	J919
Beam or Joist for Floors	B	B	B	B	B	N706
	B	U	B	B	B	N708
	B	-	B	B	B	N709
	B	B	B	B	B	N720
	B	B	B	-	-	N754
	B	B	B	B	-	N763
	B	B	B	B	B	N791
	B	B	B	B	B	N791
Beam or Joist for Roofs	B	B	B	B	B	S701
	B	B	B	-	-	S702
	B	B	B	-	-	S715
	B	B	B	-	-	S725
	B	B	B	B	B	S739
Protected Roof Ceiling	B	B	B	-	-	P701
	B	B	B	-	-	P711
	B	B	B	-	-	P717***
	B	B	B	-	-	P741***
Unprotected Roof Ceiling	R	B	B	-	-	P908
	R	R	R	-	-	P921
Columns (Wide-flanged)	-	-	B	B	B	X527
	B	-	B	B	B	X717
	B	B	B	B	B	X718
	-	-	B	B	-	X737
	B	B	B	B	B	X738
	B	B	B	B	B	Y725
Columns (Pipe and Tube)	B	B	B	B	B	X771
	B	B	B	B	B	X794
	B	B	B	B	-	X796

NOTE: ¾ hour ratings also available

R - Restrained
U - Unrestrained
B - Both

*Requires DK3 spatter coat on cellar steel deck with flat plate on the bottom.

**Requires DK3 spatter coat on steel deck for 4 hour rating only.

***Requires DK3 spatter coat on steel deck.

For details of fire rated assemblies, refer to ULI's Fire Resistance Directory, Volume 1.

TYPE 7GP is manufactured under license to Southwest Fireproofing™ Products by

A/D FIRE PROTECTION SYSTEMS

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