Fire Barrier

Ultra RC Pack
1 and 2 Hour

Through-Penetration Firestop device (XHJl) Classified by Underwriters Laboratory, Inc. See UL Fire Resistance Directory R9269 90G8

Product Data

1. Product Description

The 3M™ Ultra RC Pack is a one piece metal collar assembly encasing 3M's heat expanding 3M™ Interam™ Ultra GS (intumeiscent) material.

Manufactured with 3M's firestop technology, it has been contractor designed and UL Classified.

The 3M™ Ultra RC Pack is used for new and retrofit installations and will accommodate 2 inch (50 mm), 3 inch (76 mm) and 4 inch (102 mm) schedule 40 drain, waste and vent pipe systems.

The 3M™ Ultra RC Pack achieved up to 2 hour fire ratings when tested by Underwriters Laboratories, Inc. in accordance with ASTM E 814 (UL 1479)

Product Features

- Ultra fast anchoring system
- One piece - makes installation easier and quicker
- Factory made - assures consistent quality
- Proven technology - Intumescent action quickly seals off plastic pipe in a fire
- UL Classified - meets code requirements, universally recognized
- Embossed 3M and UL logos - Easily identified as a fire rated device during inspections

2. Applications

The 3M™ Ultra RC Pack is used to seal ccPVC, PVC, CPVC, FRPP, ccABS and ABS pipes penetrating 1 and 2 hour floor/ceiling assemblies and 1 and 2 hour fire rated gypsum wallboard assemblies and up to 2 hour fire rated concrete wall, floor or hollow core assemblies. It may be applied to drain, waste and vent or closed pipe systems. See manufacturer's instruction sheet supplied with each Ultra RC Pack for exact types of plastic pipe covered and hourly ratings.

3. Physical Properties

See Table 1 below.

4. Specifications

Installations shall be in strict accordance with manufacturer's written instructions, as shown on approved shop drawings.

The materials shall also be classified by Underwriter's Laboratory Inc. as a through-penetration firestop device when tested in accordance with ASTM E 814 (UL 1479) for up to 2 hour rating.

All penetrations must be firestopped with a UL Classified system or device as listed in current UL Fire Resistance Directory or have approved shop drawing prior to installation. Suitability for the intended service application should be determined prior to installation.

5. Performance

- UL tests per ASTM E 814
- (UL 1479) UL classified 1 and 2 hour fire (F) and temperature (T) rating. See UL Fire Resistance Directory under Through-Penetration Firestop Device (XHCR) R9269(N) 90G8.

6. Installation Techniques

The back page shows an example of a UL classified system using the 3M™ Ultra RC Pack with Ultra Fast Anchor Straps in a 2 hour concrete floor application. See RC Pack installation instruction sheet for additional details.

Table 1 - Physical Properties

Color	Galvanized	Galvanized	Galvanized
Nominal Pipe Size	2 in. (50 mm)	3 in. (76 mm)	4 in. (102 mm)
Units per carton	20	20	20

Table 2 - Sizes

Size	Part No.	Fire (F) Rating
2 in. (50 mm)	RC Pack-2.0	2 hour
3 in. (76 mm)	RC Pack-3.0	2 hour
4 in. (102 mm)	RC Pack-4.0	2 hour

7. Maintenance

3M™ Fire Barrier Ultra RC Packs are stable under normal storage conditions. Normal stock and stock rotation practices are recommended.

8. Availability

3M™ Fire Barrier Ultra RC Packs are available from Authorized 3M Fire Protection Products Distributors.

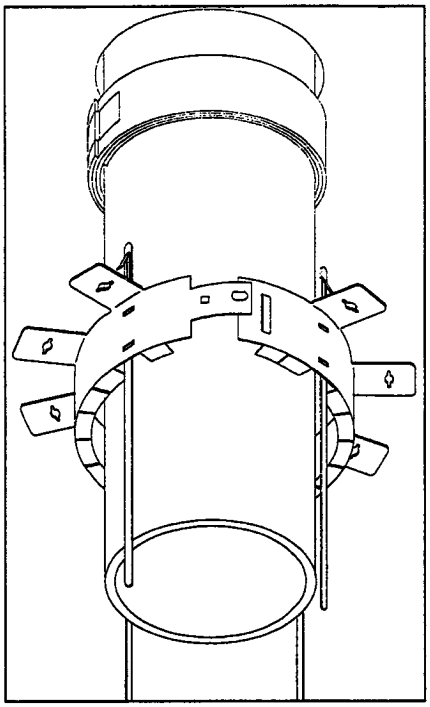

Figure 1: Ultra RC Pack & Ultra Fast Anchor.

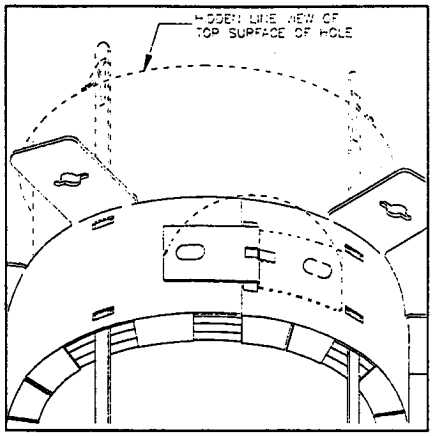

Figure 2: Ultra RC Pack positioned and anchor straps inserted.

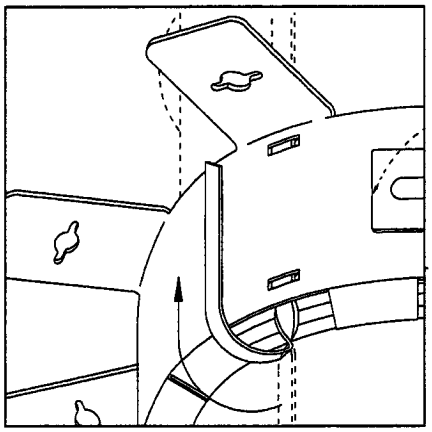

Figure 3: Ultra Fast Anchor Strap and Ultra RC Pack secured and locked into position.

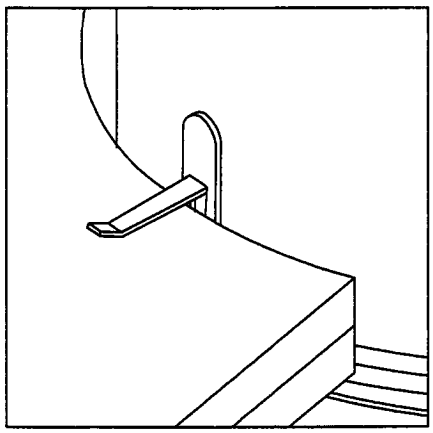

Figure 4: Top view of Ultra Fast Anchor Strap in place after installation complete.

Warranty and Limited Remedy. This product will be free from defects in materials and manufacture for a period of ninety (90) days from date of purchase. **3M MAKES NO OTHER WARRANTIES INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.** User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application.If this 3M product is proved to be defective within the warranty period stated above, your exclusive remedy and 3M's sole obligation shall be, at 3M's option, to replace the 3M product or refund the purchase price of the 3M product.

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