

June 4, 1998

Mr. Rob Gaboriault  
Fab-Tech, Inc.  
480 Hercules Drive  
Colchester, VT 05446

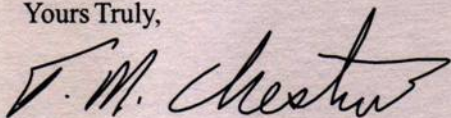
Subject: Factory Mutual Research (FMRC) Approved Model PermaShield Exhaust Duct

Dear Rob,

As per our phone conversation, Fab-Tech, Inc.'s Model PermaShield Fume and/or Smoke exhaust duct materials are FMRC Approved up to a maximum 60 inch (1524 mm) diameter when manufactured in accordance with S.M.A.C.N.A. Round Industrial Duct Construction Standards.

If you have any further questions regarding the Approval please contact me at 781-255-4874.

Yours Truly,



T.M. Chestnut  
Engineer

10 - 10

May 1998 - FMRC APPROVAL GUIDE  
*Building Materials*

Fab-Tech, Inc 480 Hercules Dr Colchester VT 05446

Model PermaShield Pipe. Circular stainless steel duct interiorly coated with an electrostatically applied two part Teflon resin. Min 12 in. to max 48in. (305 mm to 1219 mm) dia.

Limitations & Requirements:

1. All ducts shall be interiorly furnished with DuPont Fluoroproducts Teflon ETFE thermoplastic resin coating consisting of a prime coat 2 to 3 mil (0.05-0.07 mm) thick and a top coat 7 to 8 mil (0.18-0.20 mm) thick. The total interior coating thickness shall not exceed an average of 10 mil (0.25 mm).
2. This duct may be used for smoke removal in special purpose areas when properly designed and sized. Sprinklers are not required.
3. The product shall be manufactured with identical resins as tested, and according to the formulation on file with FMRC, and shall meet all physical requirements of S.M.A.C.N.A. manual for Industrial Duct Construction Standards.
4. Vertical height of individual risers within the duct system are not restricted, however, they shall not penetrate other fire areas.
5. The manufacturer shall determine the suitability of the duct system for specific corrosive environments.
6. If the process served by such duct system produces flammable residue or a combustible fume source exceeding 1 ft<sup>3</sup> (0.09 m<sup>3</sup>) in area per inlet which can build up inside the duct, then internal sprinklers will be required.
7. The ASTM E 84 Standard Test Method for Surface Burning Characteristics. Tested in flat sheet form at a 20 ga. (0.95 mm) thickness: Flame Spread 10, Smoke Density 15.

Caution: These numerical flame spread and smoke density values do not define the hazards presented by this or any other material under actual fire conditions.



# WARRANTY

## Warranty Period

Fab-Tech, Inc. warrants *PSP* against defects in material and workmanship for a period of one year. In no event shall Fab-Tech be liable for any loss, inconvenience or damage whether direct, incidental, consequential or otherwise resulting from breach of any express or implied warranty, of merchantability, fitness for a particular purpose, or otherwise, with respect to *PSP*, except as set forth herein.

## Description of Warranty Rights

Fab-Tech at its sole discretion will either repair the defect or refund the purchase amount and any warranted item which is found to be defective. During the applicable warranty period wherein Fab-Tech will repair or replace any defective items, Fab-Tech will not under any circumstance be held liable for any cost incurred for removal, reinstallation, shipping, handling or postage. All warranty inspections and repairs must be performed by a Fab-Tech authorized agent.

## Conditions to Warranty Service

For this warranty to become effective, the following requirements must be met:

1. Any postage, insurance, removal and shipping charges of warranted items to Fab-Tech Inc. or authorized agency must be pre-paid by the original Dealer and these costs are not included under this warranty.
2. The Dealer's original invoice must be retained as proof of purchase date of the warranted item and must be presented to Fab-Tech Inc. or agency when warranty claims are advanced.

## Exclusions From the Warranty

This warranty does not cover the specific items and/or conditions described below:

1. Items which have been damaged due to:
  - Alterations
  - Accident, misuse, abuse, fire, flood or "Acts of God" or other contingencies beyond the control of Fab-Tech Inc.
  - Use of incorrect temperature, chemicals or chemical concentrations. If any of the system conditions exceed the limits stated, are chemicals which are not listed or marked not tested, the WARRANTY on items within that system becomes null and void.
  - The effects of synergism, reaction or complex formation with chemical mixtures not previously tested.
2. Scratches, scrapes, mars or abrasions.
3. Improper or unauthorized repairs.
4. Damage to warranted items sustained in shipment and/or retail purchaser storage.
5. Any item which has had its manufacture number altered, defaced or removed.

## Notice

Fab-Tech, Inc. reserves the right to make changes in design and improvements upon its products without assuming any obligation to install such changes upon any of its products previously manufactured. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

All statements, information, and data given herein are believed to be accurate and reliable but are presented without guaranty, warranty, or responsibility of any kind, express or implied.



FAB-TECH  
INCORPORATED

480 Hercules Drive, Colchester, VT 05446 U.S.A.  
Tel: 802-655-8800  
Fax: 802-655-8804  
Email: sales@fabtechinc.com