



# Pancrete

[www.pancrete.com](http://www.pancrete.com)

## Technical Advice

### Using Pancrete T-84 and V-4138

Pancrete T-84 and V-4138 for vertical surface applications are newly developed, state-of-the-art coatings with improved performance characteristics over previous versions of Pancrete.

The improvements include:

- Longer working time,
- Better adhesion and penetration characteristics, and
- Ability to meet and exceed all fire and smoke codes that may be in effect in various locales.



**Typical Completed Pancrete Application for Pans & Horizontal Supports**

### Fire Retardancy

Many industrial and commercial facilities may desire materials having low fire and smoke index ratings to be used in their facility. Fire and Smoke guidelines have been issued by the National Fire Protection Association (NFPA).

The NFPA 255 standard is a test designated as “NFPA 255 / ASTM E-84”. A certificate for ASTM E-84 covers NFPA 255.

This test is among the most severest of fire testing, because it also measures smoke emissions. The NFPA 90A guideline, for example, calls for an ASTM E-84 fire index of 25 or less, and a smoke generation index of 50 or less being appropriate for use within duct systems or for coating the interior and exterior surfaces of ducts. For more information, please review NFPA guidelines.

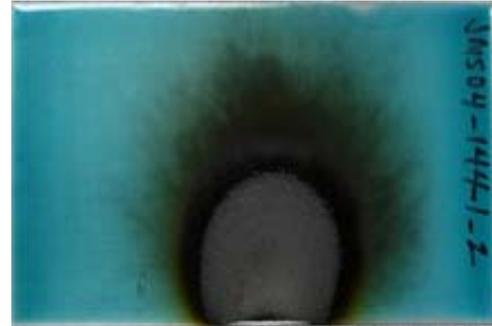
Both T-84 and V-4138 meet and exceed NFPA 90A requirements, providing better fire and smoke ratings than required.



Users should check on local building codes or building management engineers to see if they desire or wish to have an ultra-low certified fire and smoke index such as what T-84 and V-4138 provide.

A laboratory photograph showing a two thousand three hundred degree (2,300° F) flame, directed on Pancrete T-84 is shown to the right .

Official SWRI printed certification of T-84 and V-4138 fire and smoke Index ratings are available on request from customer service ([custserv@cleanac.com](mailto:custserv@cleanac.com)) at Controlled Release Technologies.



**2,300 degree Flame on V-4138**

These products should be selected anywhere that fire/smoke indexes are important to the customer and where water and chemical resistance is important. Many industrial facilities and commercial areas will require low fire and smoke ratings for materials, and certain municipalities may require such as part of local building codes.

#### T-84 / V-4138 and Bacterial Odors

As does other members of the Pancrete family, a fungistatic agent is incorporated to help prevent coating degradation, and to inhibit the growth of odors from microbial causes.

#### Pickup of Dirt

Smooth surfaces assists easy clean-up of these products.

#### Longer Working Time

Once Pancrete is mixed, the user has a set amount of time to apply the product. This time varies with temperature (*see Pancrete Technical Advice PC001*).

T-84 and V-4138 extend this time by 25% or more, providing applicators with additional time to complete the job.

#### Adhesion

Advancements in adhesion and bonding technology have been incorporated with T-84 and V-4138. These advancements allow for higher surface-to-polymer bonding when used in conjunction with Clean Bond (*see Pancrete Technical Advice PC005*).