

A/D E-BULLETIN

January 19, 2004

Re: Water based products - shipping / receiving - Temperature Monitoring

Please refer to the attached memo from Richard Babin, Plant Manager.

As you know, AD FIREFILM II, AD FIREBARRIER Seal and Seal NS and TC-55 are water based and must be protected from freezing during shipping, storage and handling. Shipments of six pallets or more will now be fitted with a "DeltaTRAK Temperature Recorder" device. Shipments of five pallets or less will continue to be fitted with "Freeze Watch" indicators. Please inform customers since this new information will not be mentioned in our SpecData, Application Guide or product data sheets until the next literature cycle.

As Richard' s memo states, it is important the receiving party check the status of the product to know if it has been subjected to freezing temperatures. If unable to do so, make acceptance of delivery conditional upon inspection.

The following additional information is attached for your reference:

- DeltaTRAK specification sheet
- Freeze Watch information sheet

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bcc A/D FIREBARRIER e-bulletin distribution list; A/D FIREFILM II Contractors; A/D Independent Reps; FFII e-bulletin distribution list

Memo

To: All A/D Staff
From: Richard
CC: Bruno, Peter, QC lab, Shippers, Supervisors & Don
Date: January 19, 2004
Re: Freeze watch indicators

IMPORTANT

All water-based products (AD Firefilm II, AD Seal, AD Seal NS, AD TC 55) will have one freeze watch per pallet regardless of quantity. The freeze watch indicator will be located on the bottom pail/case which is closest to the pallet. A blue freeze locator label (sample attached) is placed on the outside wall of the pail indicating a freeze watch has been placed in the pail and where the instruction testing procedure is located. Each pail will have a red caution label warning/maintain minimum temperature (sample attached).

For any orders of 6 pallets or greater, a DeltaTRAK In Transit Temperature Recorder will be used instead. This is a single use temperature-recording device which will be placed on one of the pallets. Freeze Watch Indicators will not be used. More information about DeltaTRAK can be found at www.deltatrak.com/product_transport.shtml

Shipping manifests will indicate the requirement of heated service and a minimum temperature requirement. We ask all carriers to maintain a minimum of 50°F.

Your customers should inspect the freeze watch prior to accepting any shipments. If he is unable to so, he must document on the carriers manifest "Subject to inspection". I strongly recommend that all shipments be inspected while the driver is present.

Note: Freeze watch indicators activate at 0°C/32°F whereas the DeltaTRAK records temperature continuously.

Richard Babin
Plant Manager

PROTECT FROM FREEZING
MAINTAIN A MINIMUM
STORAGE TEMPERATURE
OF 50F

CAUTION

Freeze watch indicator inside of
pail/case. Refer to the packing slip for
instructions on how to check
indicator.

In-Transit Temperature Recorder



- Dual scale °F/°C chart
- Bilingual operation instructions
- Various models ranging from 5-Day to 90-Day transit periods
- Available in three temperature ranges
- Patented design guarantees recording trace stops at end of trip
- Serial number on each unit for traceability

STANDARD RANGE

Model 16000
5-Day

Model 16300
30-Day

Model 16100
10-Day

Model 16400
60-Day

Model 16200
20-Day

Model 16500
90-Day

HIGH RANGE

Model 16002
5-Day

Model 16302
30-Day

Model 16102
10-Day

Model 16402
60-Day

Model 16202
20-Day

Model 16502
90-Day

LOW RANGE

Model 16004
05-Day

Model 16203
20-Day

Model 16104
10-Day

Model 16403
60-Day

Temperature Range	Standard Model -20°F to 100°F (-29°C to 38°C) High Range Model 32°F to 150°F (0°C to 65°C) Low Range Model -40°F to 80°F (-40°C to 27°C)
Accuracy	±2°F (±1°C) or better
Sensor	Bi-metal coil
Chart	Pressure sensitive, total length 36 inches (91.4cm), dual scale °F/°C
Drive	Solid state quartz motor
Time Keeping Accuracy/Clock Motor	Average ±20 seconds a month
Battery	AA Alkaline- Standard and High Range Models
Shelf Life	3 years
Product Size	5.5 in (L) x 4 in (W) x 2.5 in (H) 14 cm (L) x 10 cm (W) x 6.3 cm (H)
Weight	11 ounces (311 grams)
Case Lot Size/ Weight	20 recorders per case/ 15lbs. (6.8kg)
Certification/calibration	CE mark by T.U.V., traceable to N.I.S.T.

1-800-962-6776 • www.deltatrak.com



P.O. Box 398 Pleasanton CA 94566 (925) 249-2250 Fax (925) 249-2251

●info-chem Freeze Watch[®] Indicator

used to determine if A/D FIREFILM II has been exposed to freezing temperatures

Instructions For Use:

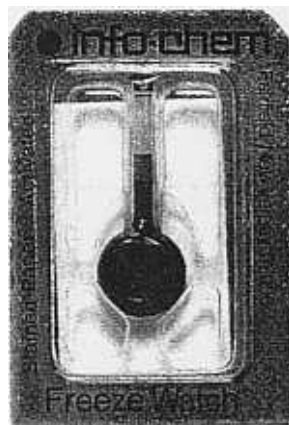
To detect if product has been exposed to freezing temperatures, observe Freeze Watch[®] Indicator. If product has been exposed to freezing temperatures, the liquid in the ampule will freeze, causing the ampule to break. The product's subsequent exposure to thawing temperatures will allow the Freeze Watch[®] to thaw, causing the background indicator paper behind the ampule to become irreversibly stained. If indicator paper is stained with colour, product has been exposed.

If indicator paper shows no colour indication, remove indicator from package. Vigorously tap bottom edge of indicator, three times, on a hard surface. If paper becomes stained after tapping, your product was exposed to freezing temperatures (tapping will not cause colour staining in an unexposed indicator).

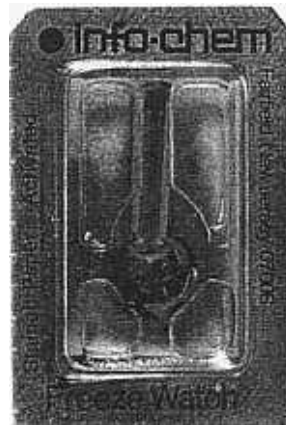
NOTE: Before reading, indicator should be in an area above freezing for at least 15 minutes.

*Consignee is responsible to check Freeze Watch[®] Indicator to be sure that the material is not frozen. You must do so within 24 hours of receiving materials and report any problems to carrier.

Freeze Watch as a Freeze Indicator



Not activated



Activated