

Signs, FR3 Fluid, Adhesive



1. Scope

This standard covers the requirements for adhesive-backed decal “FR3” signs.

This standard applies to the following Seattle City Light (SCL) stock numbers:

Stock No.	Size (in)
014558	3 x 4-1/4
014559	7-1/2 x 5-7/8

2. Application

FR3 signs provide a visual aid on the exterior of transformers containing Cargill Envirotemp FR3 insulating fluid used in the Looped Radial and Network systems. When a transformer has been damaged or a vault containing transformers has filled with water, the Environmental team needs visual confirmation that the unit is filled with FR3 fluid (as opposed to mineral oil) when directing dewatering or cleanup.

This standard was developed for Warehouse personnel to maintain a supply of signs that can be placed on FR3-filled transformers after they have been refurbished by the Transformer Shop and Paint Shop and the previous sign was consequently removed or damaged.

Small FR3 signs are placed on the lids of single-phase submersible transformers. These units have lids that are congested with cables, so the signs must be smaller to fit and still be visible when viewed from above the transformer, as in the case of a below grade vault that cannot be entered due to water infiltration.

Large FR3 signs are placed on the sides of overhead, submersible, and pad-mounted transformers.

Standards Coordinator
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3. Requirements

Signs shall be fabricated according to the following and Figures 3a, 3b, and 3c.

Material:

- Suitable for application to transformers without requiring additional coats of adhesive or water to the application surface

Adhesive:

- Pre-coated, pressure sensitive
- Shall form a durable bond to clean, well-painted surfaces or unpainted corrosion-proof metals
- Liner paper, back scored for easy removal

Dimensions (in):

- Stock No. 014558: 3 x 4-1/4
- Stock No. 014559: 7-1/2 x 5-7/8

Figure 3a. Small FR3 Sign



Figure 3b. Large FR3 Sign



Figure 3c. Large FR3 Sign Alternate



4. Packaging

Each standard package shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Seattle City Light stock number
- Quantity contained

Each shipping container shall be legibly marked with the following information:

- Manufacturer identification
- Product description
- Seattle City Light purchase order number

5. Issuance

Stock Unit: EA

6. Approved Manufacturers

<u>Stock No.</u>	<u>Cargill Material ID No.</u>
014558	330007375
014559	330003423

7. Sources

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