# **F6 Alternative Solution Flowchart**

### Risk Group B Buildings\*

#### How to check if Ecoglo photoluminescent markings will meet F6 with an alternative solution

F6 requires 'specified features' to be made visible. Specified features include: Stairs and ramps, escape doors, handrails, changes in direction and obstructions. See the most recent Technical Justification for Ecoglo Markings document at www.ecoglo.co.nz for more details.

#### **OUESTION 1** Is the escape route outdoors? NO YES **OUESTION 2** Contact Ecoglo to discuss possible solutions Phone: 03 348-3781 Is there at least 60 lux on the specified features from NO Email: engineer@ecoglo.com normal electrical lighting (check lighting model or ask lighting professional)? YES **OUESTION 3 QUESTION 4** Is there a management process (automatic or Is the escape route occupied (and therefore lit with NO human)\*\* to ensure the specified features are electrical lights or daylight) whenever it may need to sufficiently charged by daylight or electric lighting be used? whenever the escape route may need to be used? YES

Ecoglo markings are not advised

Ecoglo markings will meet F6.

and details of charging lighting to Ecoglo.

Specify that Ecoglo supplies alternative solution

documentation

Send plans showing locations where F6 is required

tion time between 30 minutes and 90 minutes, an occupant load over 1000 and whose occupants are not required to remain in the building during an emergency.

\* NZBC F6 definition for Risk Group B: a building with an evacua-

#### \*\* Effective management processes include:

- 1. Light directly or indirectly from windows and skylights is >20 lux and the escape route will not be used later than 2.5 hours after sunset.
- 2. Lights will be switched on automatically by the building's security system whenever the building is able to be occupied.
- Lights will be switched on manually by people occupying a space that may need to use the escape route: warning signs will be placed by the light switches.
- 4. Smart sensors will allow the light levels to reduce to 10 lux while the space is unoccupied.
- Circuits link lighting so that when lights are switched on in an occupied space all markings in all escape paths from the occupied space are lit.



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