

Re: Can't De-Icing Fluid be Used?

Source: <http://sci.tech-archive.net/Archive/sci.space.shuttle/2005-05/msg00174.html>

- *From:* Craig Fink <WeBeGood@xxxxxxxxxx>
 - *Date:* Sun, 08 May 2005 22:27:59 GMT
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On Sun, 08 May 2005 20:10:04 +0200, Nomen Nescio wrote:

- > Aircraft are de-iced with fluid to prevent ice accumulation during taxi and
- > take off. So why can't this chemical approach be used also on the Space
- > Shuttle stack?
- >
- > A hose and nozzle arrangement could shower the vehicle as it stands ready
- > for launch. In areas particularly prone to icing, like the "bellows", why
- > not sandblast these areas during manufacture to provide porosity to enhance
- > retention of the de-icing fluid?
- >
- > The de-icing only needs to remain effective for a couple of minutes after
- > blast off, no more time and probably less than terrestrial aircraft, so
- > this approach might be technically feasible. Has anybody given thought to
- > chemical de-icing as an effective solution to the icing problem?

Good question. The excess just runs off, and whatever doesn't run off, evaporates during ascent.

Nescio++;

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Craig Fink

Courtesy E-Mail Welcome @ WeBeGood@xxxxxxxxxx

- *Follow-Ups:*

- ◆ [**Re: Can't De-Icing Fluid be Used?**](#)
◇ *From:* Brian Gaff

- *References:*

- ◆ [**Can't De-Icing Fluid be Used?**](#)
◇ *From:* Nomen Nescio

- Prev by Date: [**Re: Can't De-Icing Fluid be Used?**](#)
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