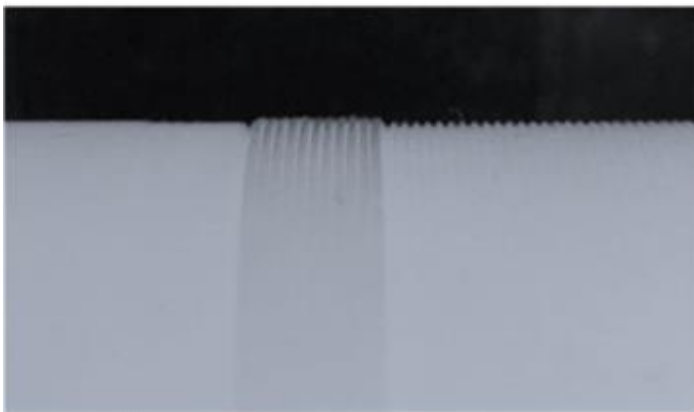


**From:** Liam Cooper - UKRI STFC <[liam.cooper@stfc.ac.uk](mailto:liam.cooper@stfc.ac.uk)>  
**Sent:** 08 July 2019 10:40:47  
**To:** Long, Kenneth R  
**Cc:** Borg, Johan E; Kurup, Ajit; Lau, Hin; Jason Tarrant - UKRI STFC  
**Subject:** RE: Notes on our meeting ...

Hello all,

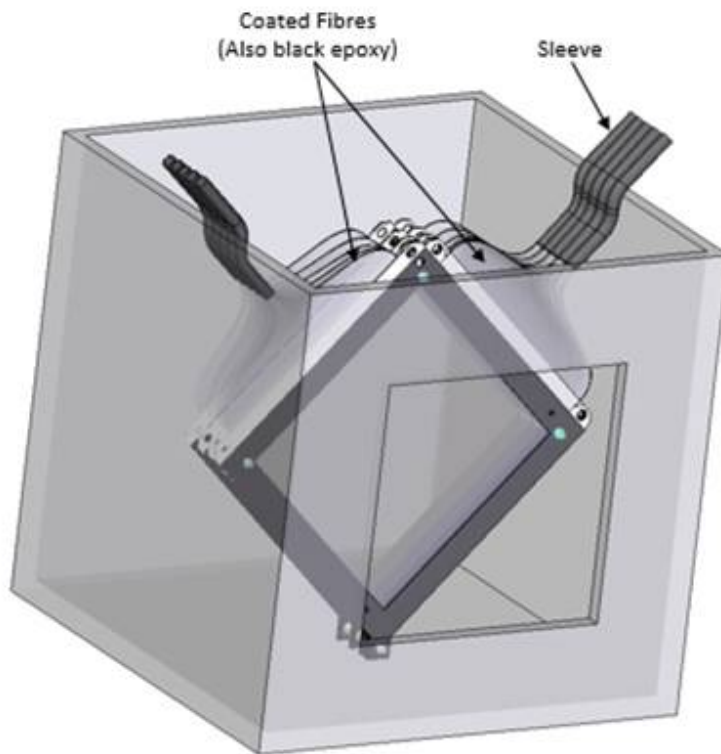
A quick update on manufacture progress before our meeting on Wednesday.

∑ We've had discussions with R12 on the PTFE lobe manufacture and this is something that they can do for us. R12 have made a small test piece first and we now have the material and re-issued drawings such to start these immediately. Attached is a (somewhat blurry) image of the grooves with 0.25mm fishing line located on. Once the first fibre is located in its groove the neighbouring ones can be wound pretty painlessly.



∑ Drawings of the various aluminium jig parts have modified and re-issued. I've sent these out for quotation and will hopefully get some costs and lead times before Wednesday. I'll hold out before making any purchases here, I'm not sure whether the cost code I'm booking time to can accommodate larger purchases or not.

∑ For managing the fibres outside of the frames I'd suggest something similar to the model below. The fibres are bundled (maintaining minimum bend radius) into an outer sleeve. Where the fibres are exposed I think it would make sense to coat here also in black epoxy, especially if using this elsewhere to pot the frames.



Any immediate comments please let me know otherwise we can discuss on Wednesday.

Kind Regards,

Liam

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