

SODIUM SILICATE / RESIN COATINGS

(TSI)

1986 Oct 16

There should be some useful products possible from combination of sodium silicate gel (cement base?) and organic (paint type) polymers, possibly with an additional fibrous (paper fibre?) phase. Could be very good for resurfacing buildings subject to damp.

GRAFT REJECT OBSTACLES IN TREE GRAFTS

1986 Nov 18

Effective chemical (?) treatments have been derived for reducing rejection rates in human transplant patients (hearts, lungs, livers...).

It is possible that similar treatments could be evolved for reducing rejection rates in tree grafting & budding. Investigate.

MICROCENTRES WITH SILICON MICROSTRUCTURING

1986 Sept 23

It should be possible to build 'lenses' and other devices of light wavelength dimensions with the 'silicon microstructuring' technique, i.e. those used to make circuit boards & chips. [examples: sputtering, ~~the~~ masking, electron-beam writing]. (Silicon itself is a metal and presumably not transparent, but the 'micro-lens' devices will not necessarily use conventional optics, instead pinhole optics etc).