

Futar D[®] Occlusion

A Practitioners Perspective

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For a while now we have been looking for the ideal bite registration paste, - clean, accurate, easy to manipulate, dimensionally stable - unfortunately it has been a long wait.

The gold standard in the past has been the acrylic resins with the advantages of high final hardness, however they were not without problems despite using the beaded techniques to overcome the setting contraction shrinkage. This technique was unnecessarily complicated often leaving the patient with a bad taste and odour in the mouth.

More recently quicker and easier materials from manufacturers have been used for bite registration based on either the addition silicones- 'Blu moose' being a good example or polyether - Ramitec[®]. Personally we find these materials lack rigidity. This leaves the technician with a large margin of error in which to guess where the correct retruded contact position should be, further a problem can be that the pressure applied during mounting the casts will not be resisted by the material sufficiently to give an accurate representation of the registration.

Recently we were asked by Panadent to try out a new version of the addition silicone material which has overcome some of the problems of the other materials, Futar D[®] Occlusion- Kettenbach, Germany.

We were pleased to see on application Futar D[®] exhibited the following advantages:

- It is extremely hard- Shore D hardness of 43
- Has minimal elasticity.
- Sets in 90 secs.
- Thixotropic i.e. flows well but does not 'slump' or run into deep fissures. (Fig 1)

Use of Futar D[®] Occlusion

1. Directly dispensed from the cartridge onto the occlusal surfaces Fig
2. Wax wafer or carrier registration technique as outlined
3. Futar D[®] could also be used for a facebow mounting as a quick and easy technique rather than using wax or compound. Fig 5-8 shows mounting and checking the accuracy of the maxillary cast prior to mounting on the articulator.

To summarise new European regulations are leading to a restricted choice for the dental practitioner. Bite registration pastes based on Zinc - Oxide Eugenol are fast disappearing from the market. Futar D[®] occlusion will prove to be a very useful adjunct for the conscientious practitioner