

## Centribase Pourable Acrylic

WHW Plastics Ltd are very pleased to be able to launch their new range of Centribase cold cure pourable (CB P) acrylics. Produced in 5 shades of pink and clear, this system has countless uses within the dental laboratory and has several features that would be of considerable value to the modern dental technician.



Speed is always of the essence in the dental laboratory. Patients require their new teeth in as short a time as possible and who can blame them when their appearance, speech and self-esteem can be affected by loss of dentition so dramatically. With a curing time of just 20 minutes (Hydro-flask/pressure pot) and minimal trimming required a denture can be 'processed' in under 2 hours! Bench curing is also an option for thinner appliances, taking approximately 25 minutes.

The impressive bond between the pourable material and the acrylic denture teeth is clearly visible. However, adding retention channels (and therefore increasing the surface area of the tooth) will always be advisable as extra mechanical retention.

The mixing ratio of CB P monomer to polymer is accurately measured by weight and produces a very thin mix. It is this initial pouring consistency that provides this material with the ability to find its way into the smallest of areas without those annoying voids often produced by conventional self-cure acrylics. The working time of the pour stage is approximately 4 minutes which provides technicians with the option to pour multiple cases with one mix. This 'one-mould' pouring process also eliminates the risk of an increased OVD (occlusal vertical dimension) which is so common in conventional two-part flasking in plaster.

Complete dentures can be processed using existing pourable flask systems or by using a simple, customised duplicating flask.



The process can utilise equipment and materials already available in most denture laboratories. Silicone duplicating material can be used to 'flask' and is ideal for the task due to its strength and flexibility, although this can be expensive and is not environmentally friendly. Silicone does have the bonus however, of

being able to produce a true, duplicate denture at the production stage, or years in the future.



The alternative material for flasking CB P is a firm, detailed Agar Agar/duplicating gel. A cheaper alternative to silicone but works just as well and is reversible and therefore reusable.

Here we can see a waxed-up complete upper denture prior to processing in silicone.



The below images show the denture straight from the silicone after curing, demonstrating the reduction in trimming and polishing required by CB P.



We can see the fantastic surface detail and high gloss fit-surface finish that CB P produces. This denture hadn't even been cleaned!



The easy to polish finish provides the obvious advantage of easier cleaning for the patient with a possible reduction in denture stomatitis.



This image shows a waxed-up complete upper denture on a previously processed, heat-cured acrylic base plate.



This denture was then flaked using Agar Agar and cured. After minimal trimming and polishing, we can highlight the effective bond between the two acrylics. This

ability to bond well with heat-cured acrylics and the option of 5 different shades would make CB P an obvious choice for repairs too.



The thin initial pouring consistency of CB P makes it ideal for processing partial dentures and small saddle areas. All that is needed is a lab putty with good detail reproduction, high strength and two holes. Undercuts can be blocked out using wax and the master cast remains unharmed during the short process. As detailed before, finishing is a very brief process due to the lack of plaster.



CB P also has a useful dough stage which is very easy to adapt and makes for incredibly well-fitting baseplates and/or training baseplates. Imagine how pleased a dentist would be with an occlusal rim mounted on such a well-fitting baseplate. No shrinking back like conventional cold-cure acrylics and no more wobbly wax baseplates!

Laboratory owners will also greatly appreciate the reduced plaster usage that results from the use of CB P and the associated costs of plaster disposal.

Please call **0800 0092 444** for more information and samples.