



Process for Evaluating an IntegraBase-Modified Binder

Step-by-Step Process

- Prepare the IntegraBase-modified binder: Blend the IntegraBase modifier at 2% by weight (of the binder) into the binder using a high shear blender (i.e. high Reynolds number). The blending should occur over a 5 minute period at a temperature of 120°C.
- Prepare a laboratory mix using a standard aggregate source and a standard dense gradation with the IntegraBase -modified binder. Use an optimum binder content that has been determined as appropriate for the selected aggregate source and gradation.
- Place the loose mix in a laboratory tray and cure it in an oven for 30 minutes at 150°C.
- After the first 30 minutes curing, gently remix the loose mix in the tray with a large laboratory spoon and cure it for an additional 30 minutes in the oven at 150°C.
- Extract and recover the binder from the mix using the centrifuge extraction process and the laboratory standard recovery process (i.e. the Apson and Rotovapor methods are both acceptable).

Caution:

Do not subject the extracted/recovered binder to the rolling thin oven (RTFO) aging since the mixing process would represent the short term aging effect.