Mixing procedure for Apex Multi 25, 35 & 45

Overview

The following guidelines set out the correct procedures for the production of Apex Multi 25 & 35 to ensure the underlayment is batched correctly and that the product meets the necessary standards.

Delivery & Storage

- Apex Multi can be delivered in 2500Lbs supersacks or 80Lbs bags on a pallet.
- Apex Multi bags/supersacks should be stored in a weathertight storage area.

Apex Multi Mix Design for 80Lbs bag

•1 x 80lbs bag of Apex Multi
•2.5 – 3.5 gallons of fresh water.
•1.4 – 1.9 cu.ft of sand

Apex Multi Mix Design for 2500lbs super sack

•Sand ratio – 1.5 – 2-part sand to 1 part Apex Multi binder
•0.04 – 0.055 gallons per 1lbs of Apex Multi binder

Approved sand for use with Apex Multi

•ASTM C-33 concrete sand that has been tested by our technicians in our laboratory.
•Please reach out to us to test any new sand before using Apex Multi.

Mixing sequence - Strong pump

2x 80 lbs Bag mix
1.Water added to mixer (5-7 gallons water)
2.Apex Multi binder added to skip the (2 x 80lbs bags)
3.Sand added to skip (2.8 – 3.8 cu.ft of sand)
4.Tip sand and Apex binder into mixer.

Mixing sequence – Smart batch

2:1 Mix
1. Water added to mixer (12-15 gallons water)
2. Apex Multi binder added to mixer (300lbs)
3. Sand added to mixer (600lbs)

Mixing procedure

•Once all material has been added to the mixer, allow to mix for a minimum of 35 seconds.
•After 35 seconds mixing, take a sample and perform a slump flow test. Apex multi requires between 8” - 9” spread using a 2” diameter PVC pipe cut to 4” in length.
•Once pumping has started, ensure you have a bucket at the end of the line to collect any prime water/ slurry before.
•Carry out another slump test at the end of the line to ensure consistency.

Apparatus for Slump flow test

•12” Square Apex minerals slump plate.
•2” inside diameter PVC pipe cut to 4” length.
•Measuring tape.
•Pale for collecting sample.