

# Plaster on Concrete

Concrete substrates are generally quite smooth and often have traces of chemical release agents. The preparation of these surfaces is crucial, therefore sandblasting and/or washing is strongly recommended.

**Sands:** Always use well-graded coarse sand (#5 to #200) unless indicated. NHL mortar will not alter the color of the sand. *See also Sands for NHL Mortar.*

**Main recommendations:** Make sure that the application surface is dampened before first coat (scratch coat) application. Mix mortar well making sure that it is not over saturated with water. *Note: Volumetric mix ratios have been adjusted, when necessary, to the nearest round or practical figure.*

## **Scratch [Dash Bond] Coat (3/16" MAX):**

This coat should be cast on (or sprayed on) fairly evenly and left rough to provide good keying. Scrape off high spots. Mixing Ratio: 1: 1.5 using NHL 3.5 or 1:2 using NHL 5.

**WAIT at least 7 DAYS. Dampen well before applying 2nd coat.**

## **Second Coat (3/8" To 1/2")**

Level with straight edge. After sufficient hardening, key with a devil float.

Mixing Ratio: 1:2 using NHL 3.5, troweled or lay on.

**WAIT 7-10 days in accordance with performance related to weather conditions.**

Note: In hot weather or windy conditions, dampen surface at least once a day with a fine spray (first 2-3 days). Protect from frost and adverse weather for min. 72 hours. Dampen before applying finish coat.

## **Finish coat:**

A. Fine wooden float finishes - max. 3/16" thickness -use finer sands (#12-down) Mixing Ratio: **1:2.5**

B. Coarse/Textured finishes - 3/16" – 5/16" thickness with #6 sands. Mixing Ratio: **1:2.5**

**Two-coat work on concrete is achievable. In this case using a spray gun is highly recommended.**

See also Plastering with a Spray Gun and NHL Plasters general guidelines.

All above information is given as general indication only. Dosages may vary in accordance to materials and aggregates used and site conditions. Please consult with your St. Astier distributor to finalize mortars mixes. Good building practice is assumed at all times.