

Specification Guidelines for Plastering Handball, Raquetball and Squash Courts

The following specification guidelines have been adapted from an original specification developed by the National Bureau for Lathing and Plastering, Inc. (defunct) in conjunction with Conroy Brothers Co. (now Olympic Wall Systems). These guidelines have not been endorsed or approved by the US Handball Association or the US Raquetball Association. Please contact those organizations for any additional information on court dimensions or performance requirements.



Lathing

1. All dimensions for regulation court shall consider the final thickness of the installed plaster.
2. All walls shall be lathed with self-furring 3.4 galvanized metal lath in compliance with ASTM C 1063.
3. Front wall (impact wall) shall be horizontally furred out from masonry one-inch with ¾-inch channels securely anchored on 3' centers; attach 1/4" pencil rods on 12" centers, wire tied to the ¾" channels.
4. Suspend ceiling with 1-1/2" channels on 3' centers supported by No. 8 gauge wire on 4' centers. Cross-fur with ¾" channels on 12.5" centers and tie 3.4 lb. galvanized metal lath to ¾" channels on 6" centers lapping 1/2" at sides and 1" at ends..
5. Provide casing beads at top, sides and bottom of all walls with the exception of the bottom of the front wall. Leave a gap of 1/8" between meeting sidewalls and front wall. And a 1/8" space between the walls and the ceiling.

Plastering on Suspended Ceiling

1. Scratch metal lath ceiling with 100% gypsum wood fibered plaster –no additional aggregate added.
2. Brown Coat shall be mixed 1 part plaster to two parts sand, 1" thick.
3. High strength gypsum finishing coat shall consist of:
 - 200 lbs. lime putty.
 - 100 lbs high-strength gauging plaster.
 - 10 lbs. white silica sand.

Plaster on Walls

1. Scratch coat metal lath with portland cement plaster mix consisting of : ½ part portland cement, ½ part masons cement, 3 parts sand, 1 quart acrylic admixture (Thoro Acryl 60, TK Products 225 or equivalent) per gallon of water. Cross rake and let cure.
2. Apply brown coat out to 7/8" thickness using same mix as per scratch coat. Immediately double back with finish coat consisting of: ½ part portland cement, ½ part masons cement, 1 part silica sand and 1-1/2 quarts acrylic admixture (Thoro Acryl 60, TK Products 225 or equivalent) per gallon of water. Float off then trowel smooth.

3. Front wall is brought out to several coats to required thickness of 2-3/4". After pencil rods are covered, layer of fiberglass is embedded in brown coat.