

# REFRACTORY ANCHORING GENERAL GUIDELINES

## CERAMIC ANCHORS

Always install ceramic refractory anchors so that the anchor face is exposed to the hot face.

Roof anchors should be located on 12" centers for both plastic refractory roofs and roofs that are cast.

Wall anchors should be located on 18" centers for both plastic refractory walls and for walls that are cast.

Anchors located in noses should be positioned such that shear force is parallel with slot in hangers.

Do not anchor lower sidewalls in melting furnaces. Use seats between upper and lower sidewalls.

Do not ram directly on a ceramic anchor.

Do not use metal wedges to hold ceramic anchors in place.

## V or Y TYPE (WIRE) ANCHORS

Anchors should be on approximately 12" centers—9" centers when gunning in order to reduce rebound.

V and Y anchors should be positioned such that adjacent anchors are at 90° from each other.

Anchor tips should never be flush with hot face — preferably 2" back from hot face.

## FLOORS

Floors generally do not require any anchoring if the floor slope is 15° or less.

## HEX MESH

Always use flat bar or pad back up to allow refractory to penetrate between back of mesh and wall face (1/4" to 3/8" thick flat bar).

Use only on thin walls and only as a last choice.