

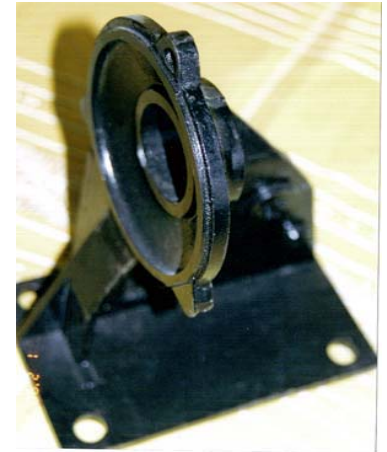


Refractory coating for casting into Lost-Foam

Demands to refractory coating: high adhesion to model material and absence of interaction with him (refractory coating are marked on model's surface); sufficient gas-permeability (products of thermal destruction of polystyrene are moved off through coating); high mechanical strength in the normal conditions and in the conditions of high temperature; good covering and sedimentation stability.

3 classes of developed refractory coatings are met these requirement:

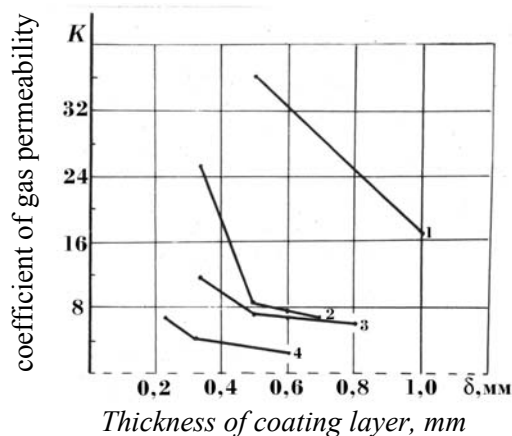
1. - quick-drying coating on spirit base;
2. - quick-drying coating on water base;
3. - refractory coating on water base.



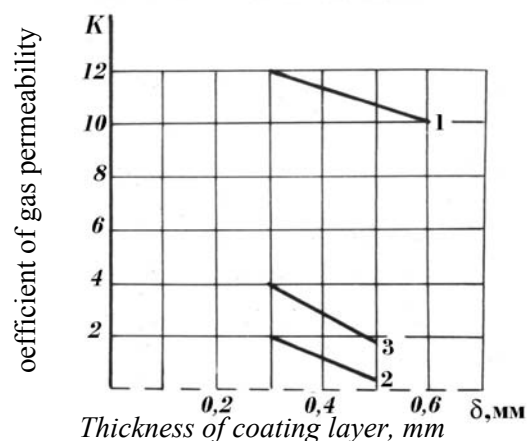
As fire-proof filler one can use zircon concentrat, electrocorund, sillimanite-disthene concentrat, powder-like, filter perbite, graphite.

Refractory coating can be use for obtaining castings from steel, cast iron, alloys on copper and aluminium base.

1 - perlite; 2 - zircon; 3 - marshalite; 4 - graphite.



Coating on water base



Coating on spirit base