

CERAMIC MATERIALS MANUFACTURING

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SOMPACTION

RE

- For successful slip casting, formation of suitable and a consistent slip is important.





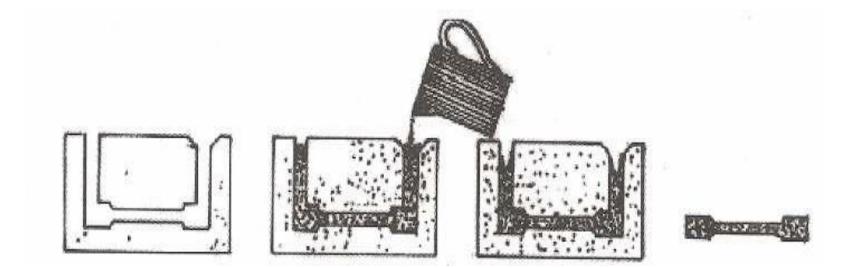


Removal of part from the mould.

Finishing the part.





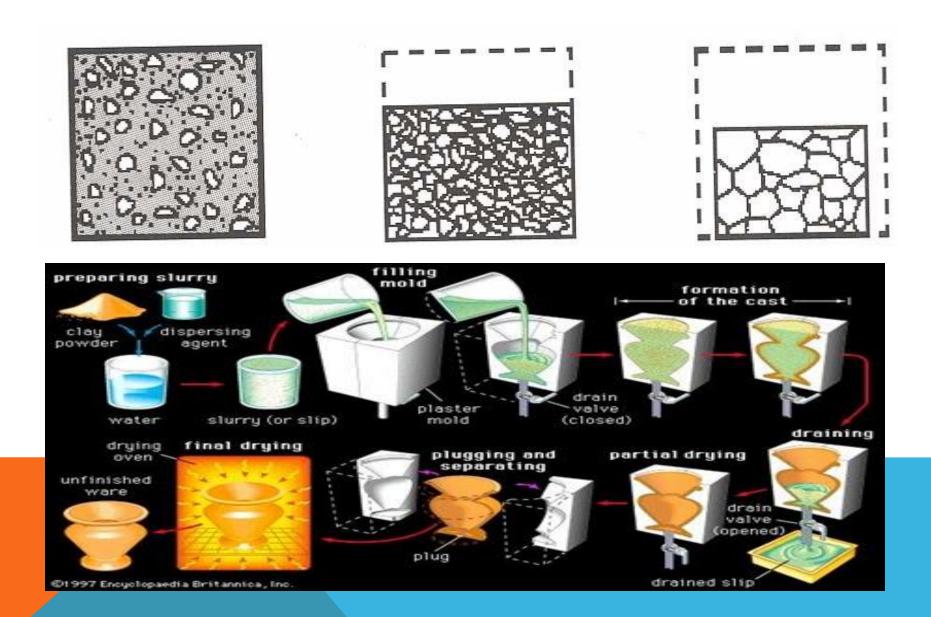


mould	Filling mould	Absorption of	Part removal
		water from slip	

1-slow process,

2- limited commercial applications

 Applications: tubes, boats, crucibles, cones, turbine blades, rocket guidance fins; Also products with excellent surface finish like basins, water closets

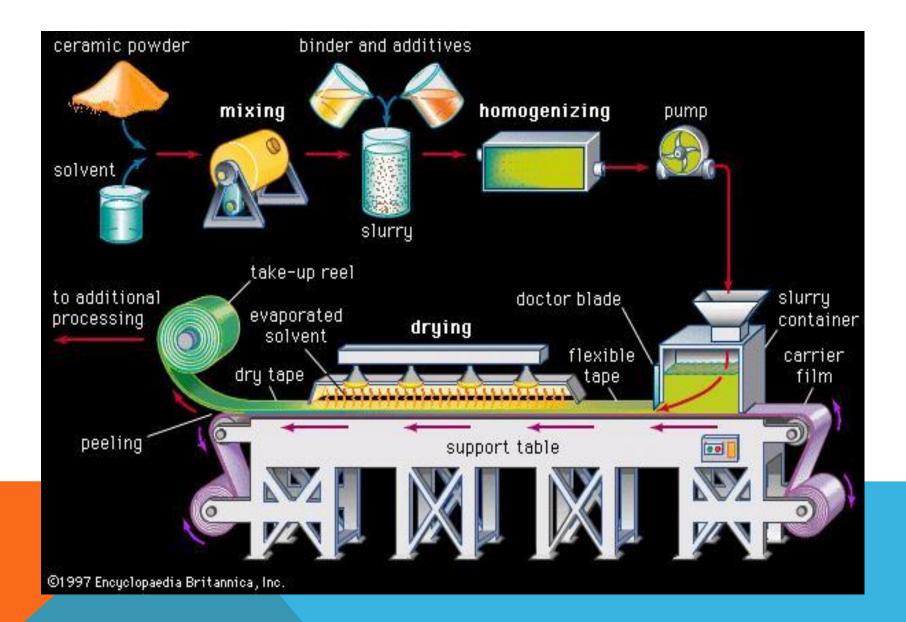


2- Slurry casting:

This process is similar to slip casting except that a slurry of metal powders with <u>suitable</u> <u>liquids, various additives, and binders is poured</u> into a mould and dried.

The solvent is removed either by absorption or by evaporation.

Very high porous sheet for use as electrodes in fuel cells and nickel cadmium rechargeable batteries are produced by this method.



<u>3- Gravity Casting:</u>



