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REVIEW 8

A review on optimum substrate surface roughness to create better wetting

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Abstract

Surface roughness or texture is one of the key parameters for liquid fluids or the liquid metals to achieve good or poor wetting. In certain applications surface roughness of smooth surface [mirror finish] is treated as slippery surface for poor wettability however in few applications' roughness surfaces is considered as better wetting especially for liquid metals. In this regard, to understand the optimum surface roughness of the substrates to achieve good wetting is essential. In the present review paper, an attempt has been made to find the better roughness value of the substrate for better wetting of liquid metals or alloys based on substrates and fluids.

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