

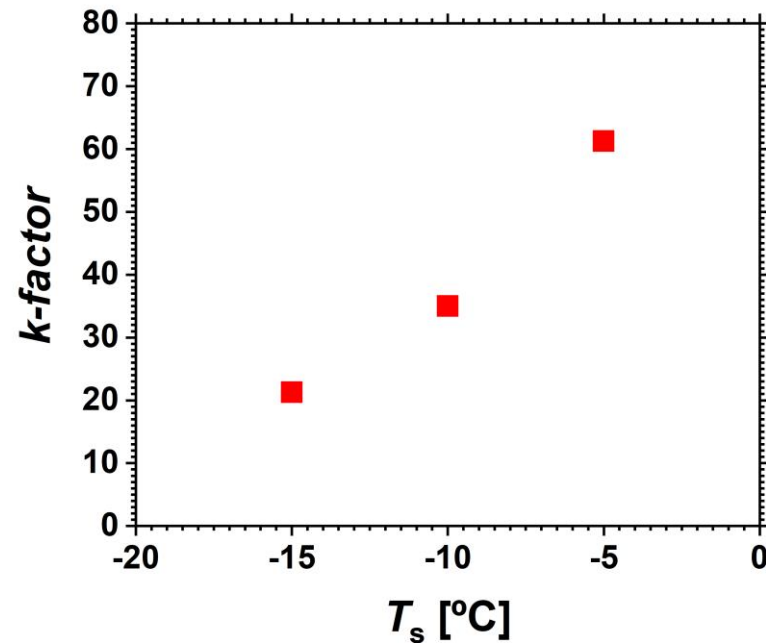
Correlation:

$$x_{frost} = \frac{\frac{\delta_f}{2} \times t^2}{(nK)^2 + t^2}$$

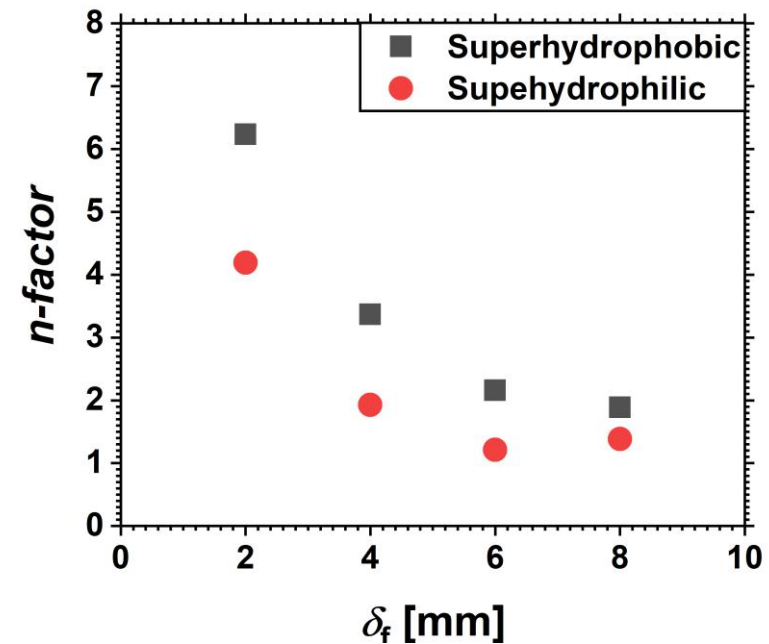
For this correlation:

Here t is time and δ_f is fin spacing.

n -factor and k -factor can be determined from the plots below. These plots are based on the experimental data.

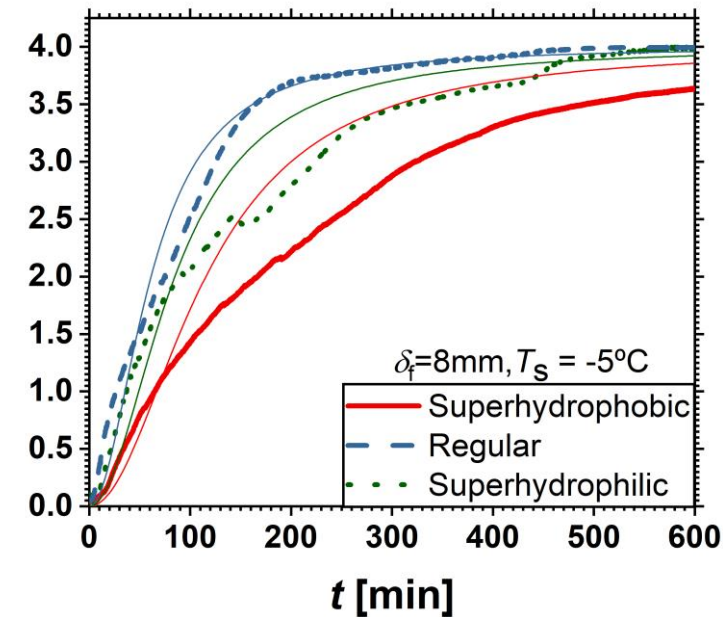
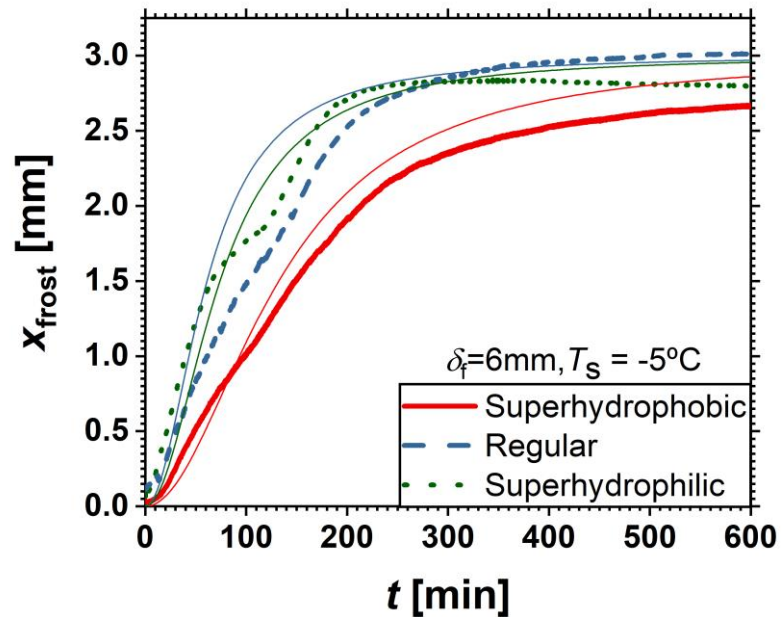
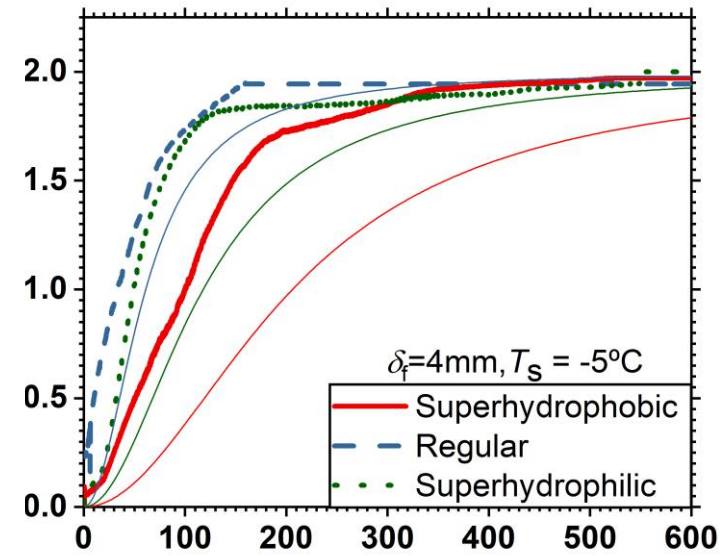
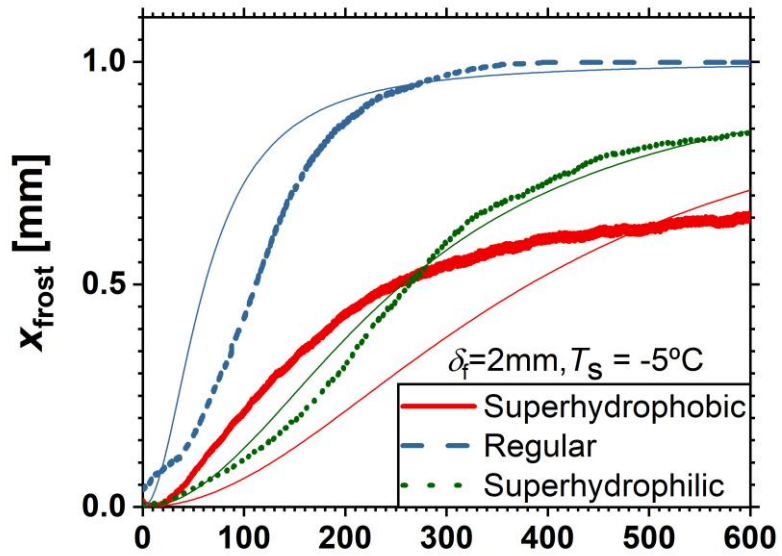


Here, K -factor is plotted for Regular surface. This is dependent on surface temperature.

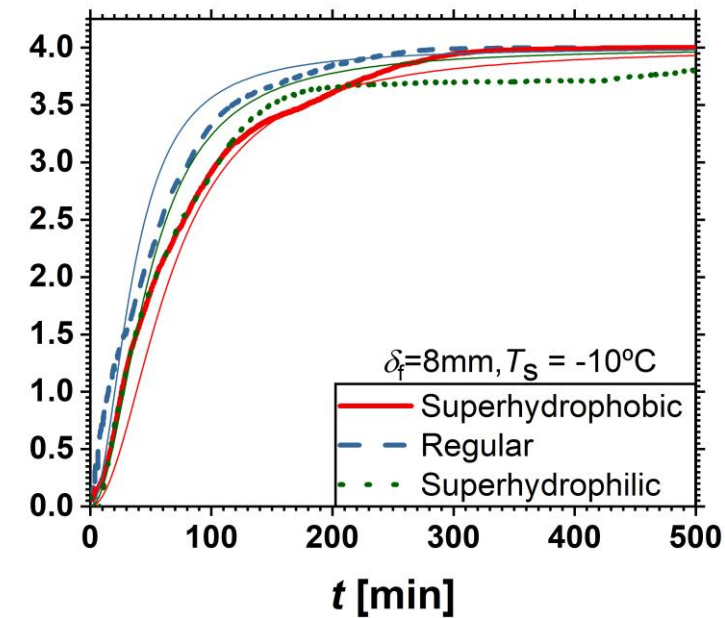
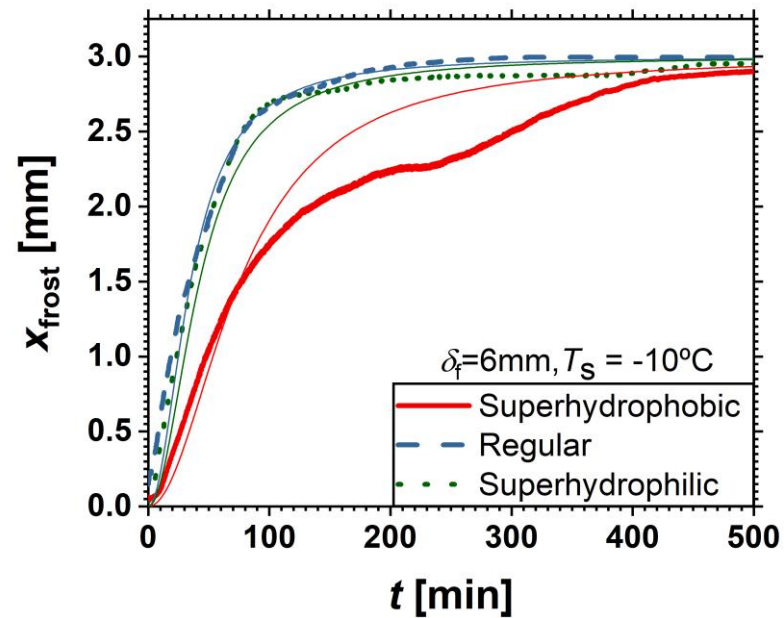
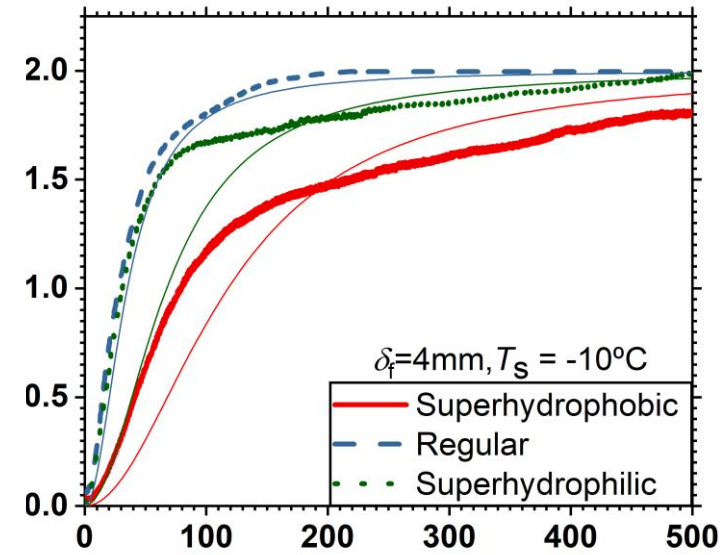
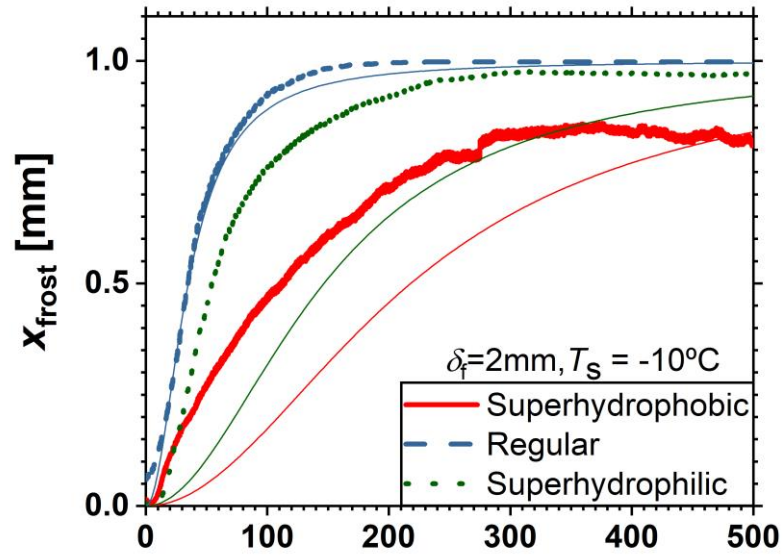


n -factor is the multiplier for wettability effect. This is dependent on fin spacing.

Fitted Curve Using the Correlation



Fitted Curve Using the Correlation



Fitted Curve Using the Correlation

