

# Sand Wicking

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In order to find out more about the wicking properties of our System Sand we conducted this in house experiment



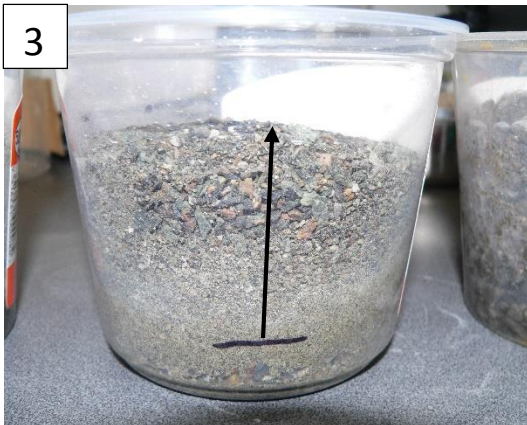
### Chip

Wicked approx. 20mm from initial water level



### Out of spec for AES sand – too coarse

Wicked to top of sand from initial water level



### AES System Sand

Wicked to top of sand from initial water level



### Out of spec

(Borderline for System Sand)  
Did not wick



### Out of spec for AES sand – too fine.

Minimal wicking.

### Results after 30 minutes:

The coarse sand that is ideal for AES System Sand, No.3 from Takaka was the best wicker along with No.4 from the Hawkes Bay.

No.4 sand contains a lot of larger material and so was questionable as System Sand, however it appears to wick very well.

The chip gravel wicked to approx.20mm and then stopped.

The finer sands from No.4 & 5 and do not appear to wick water at all!

We conclude: **Too coarse is better than too fine.**