

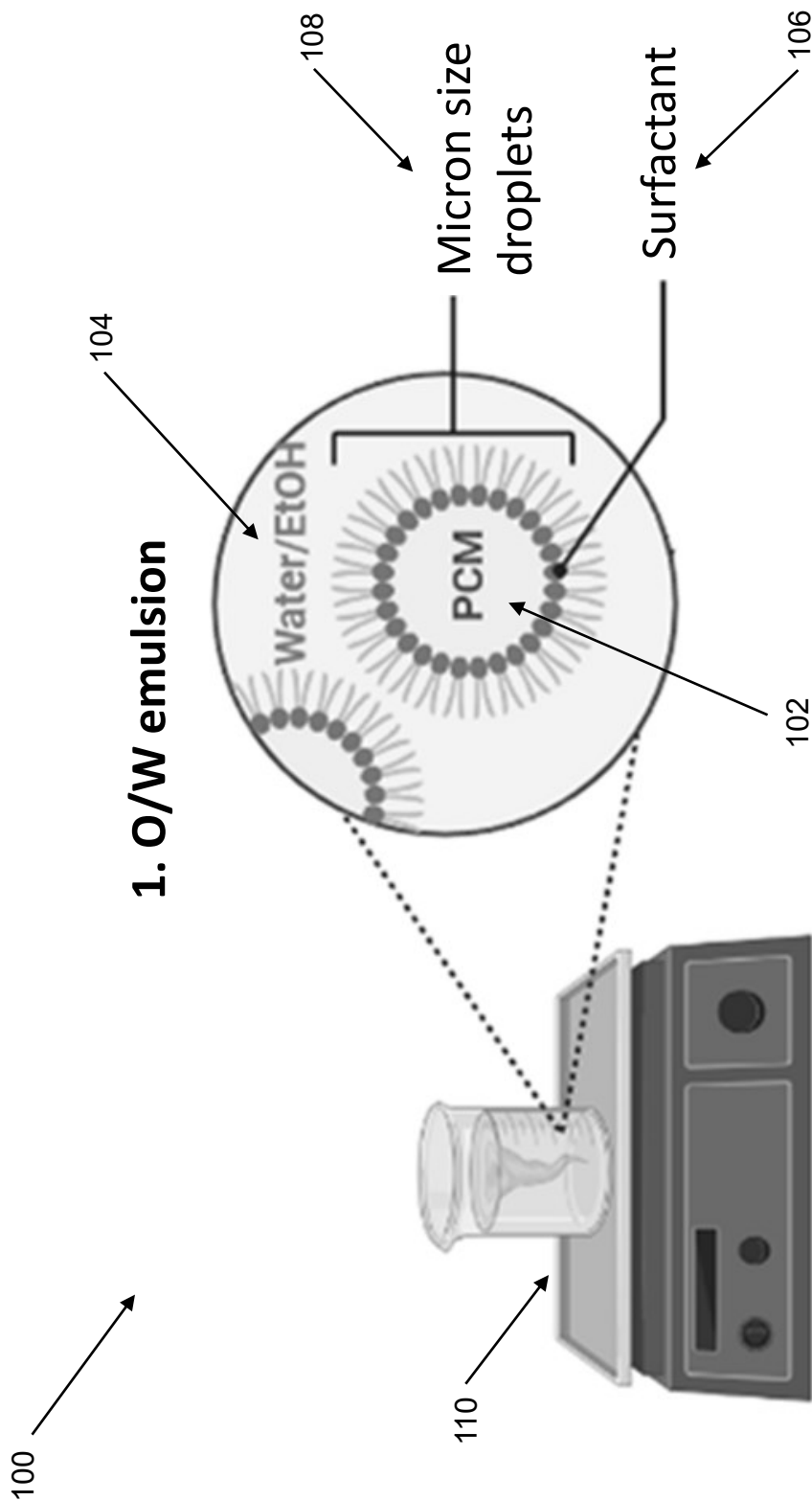


FIG. 1

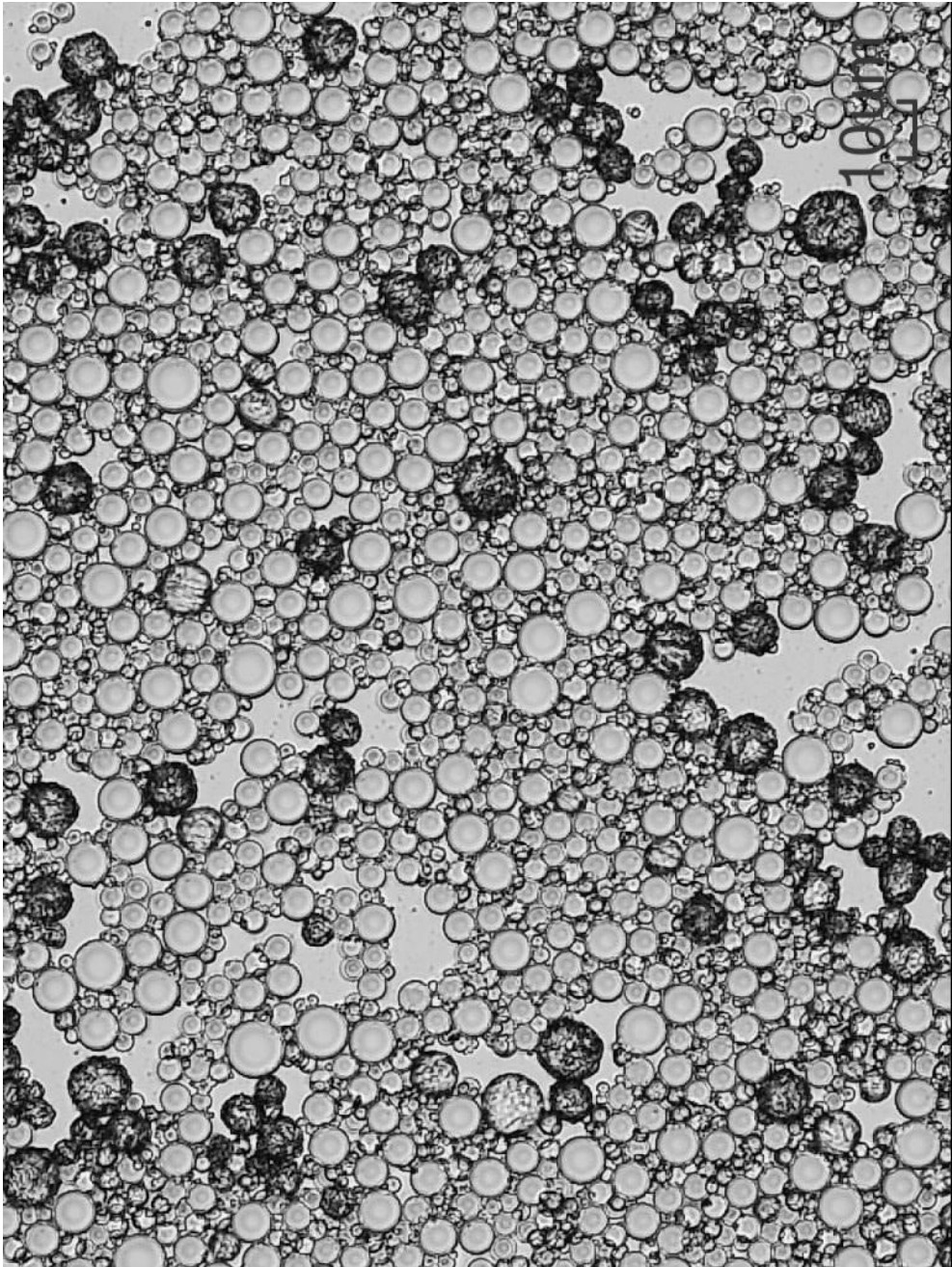


FIG. 2

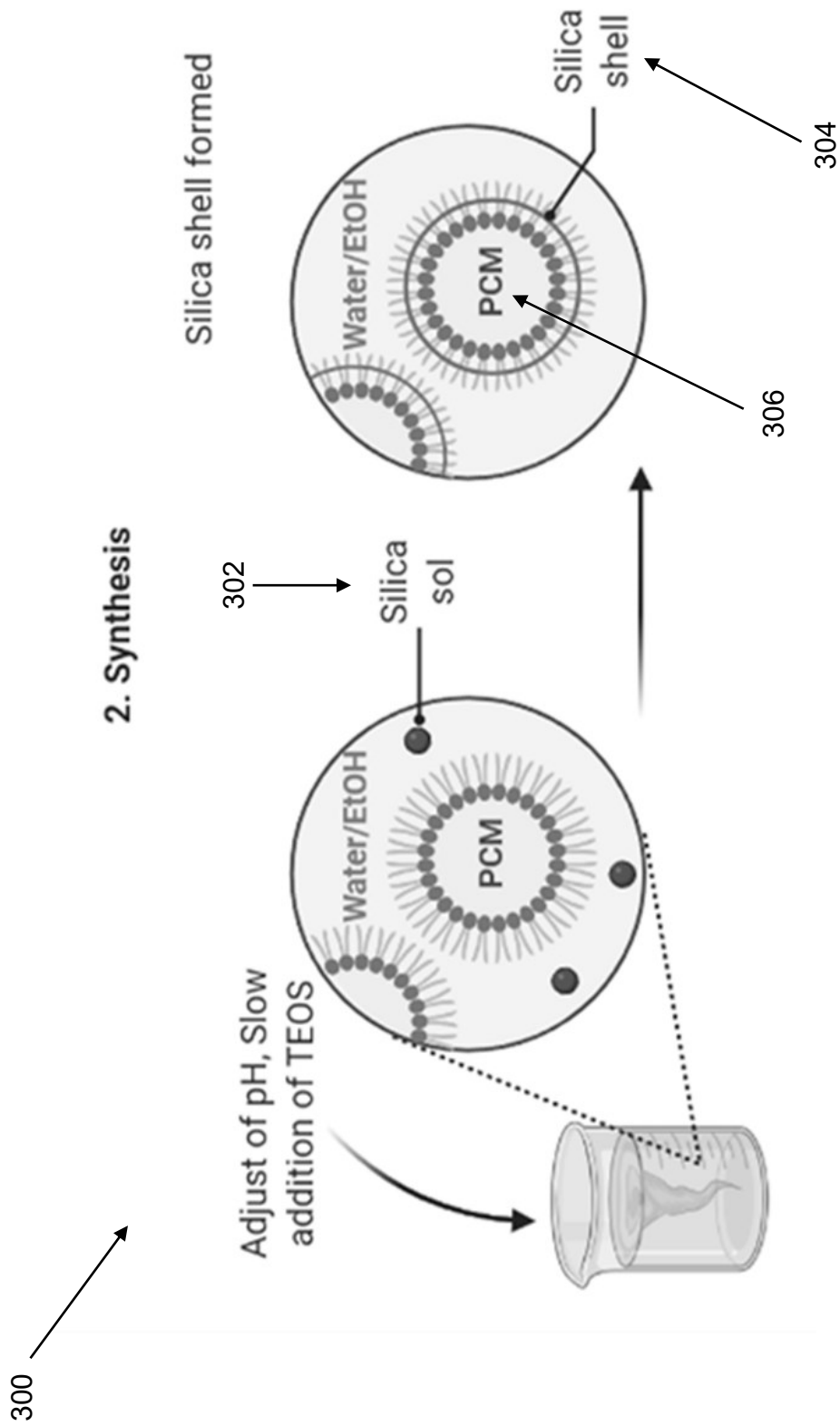


FIG. 3

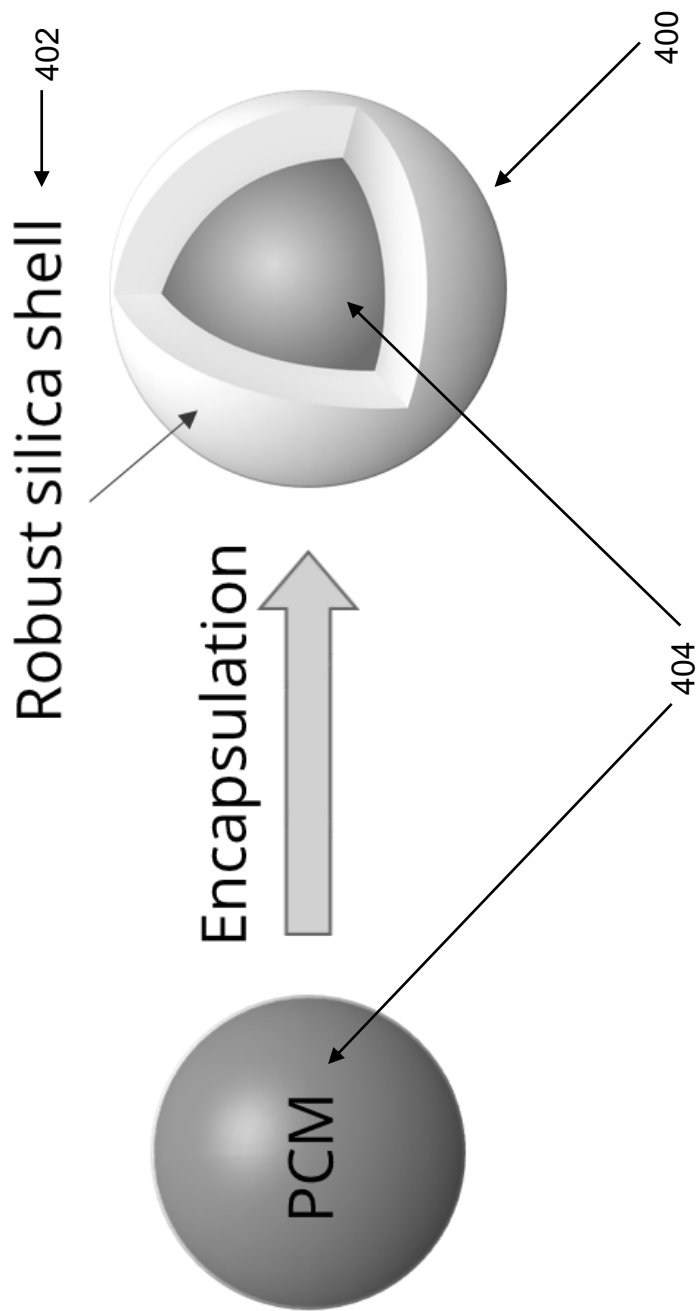


FIG. 4

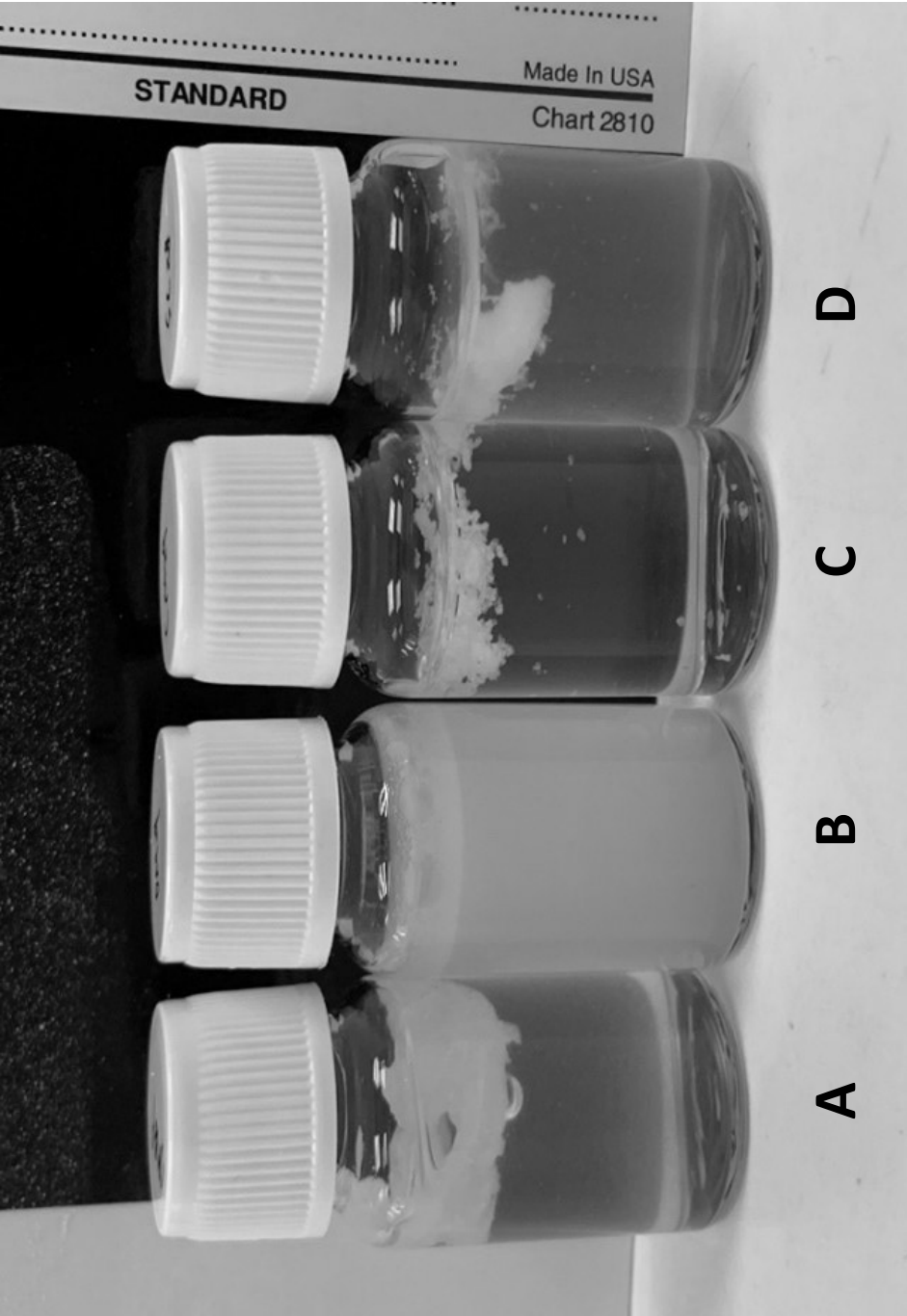


FIG. 5

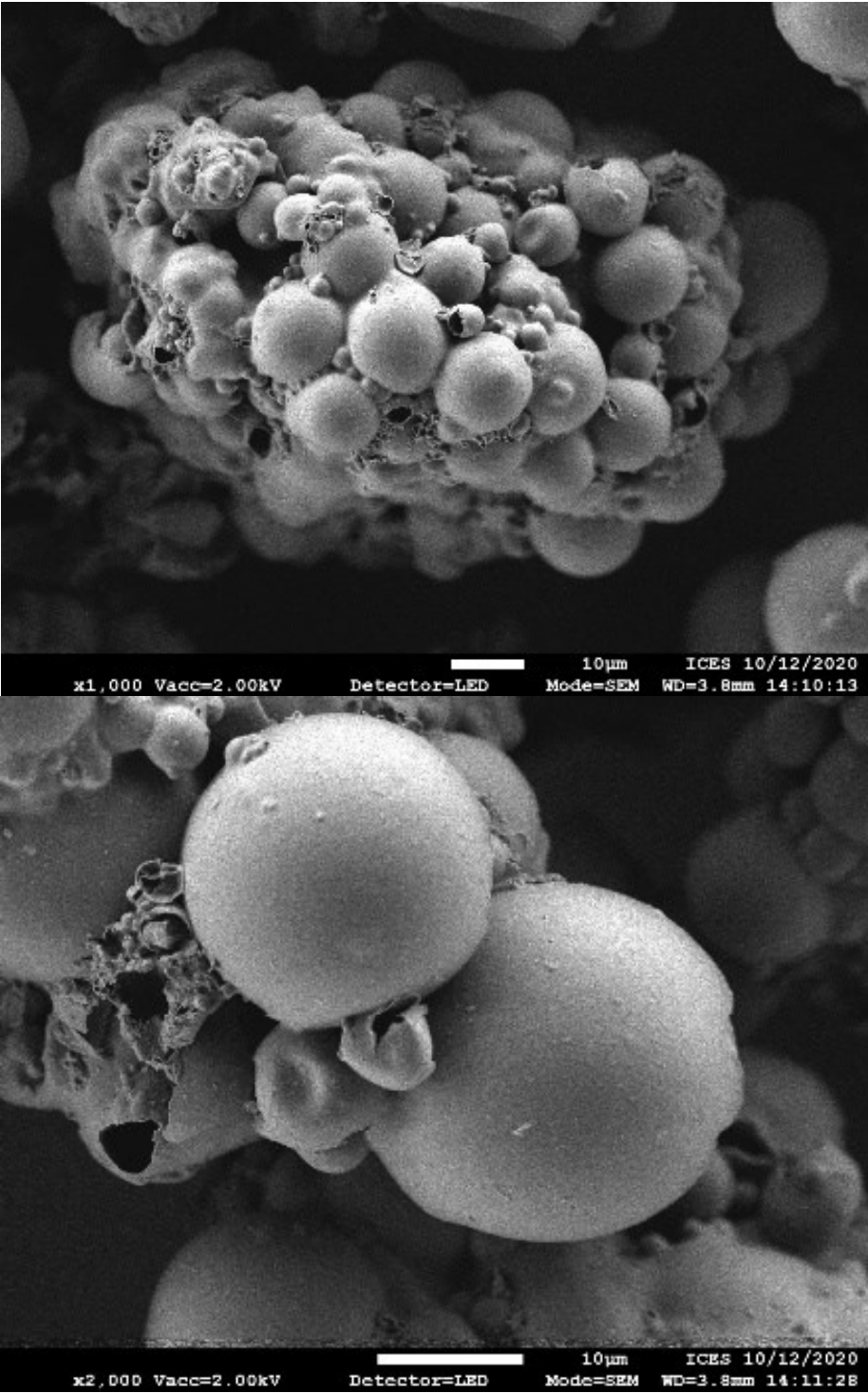


FIG. 6

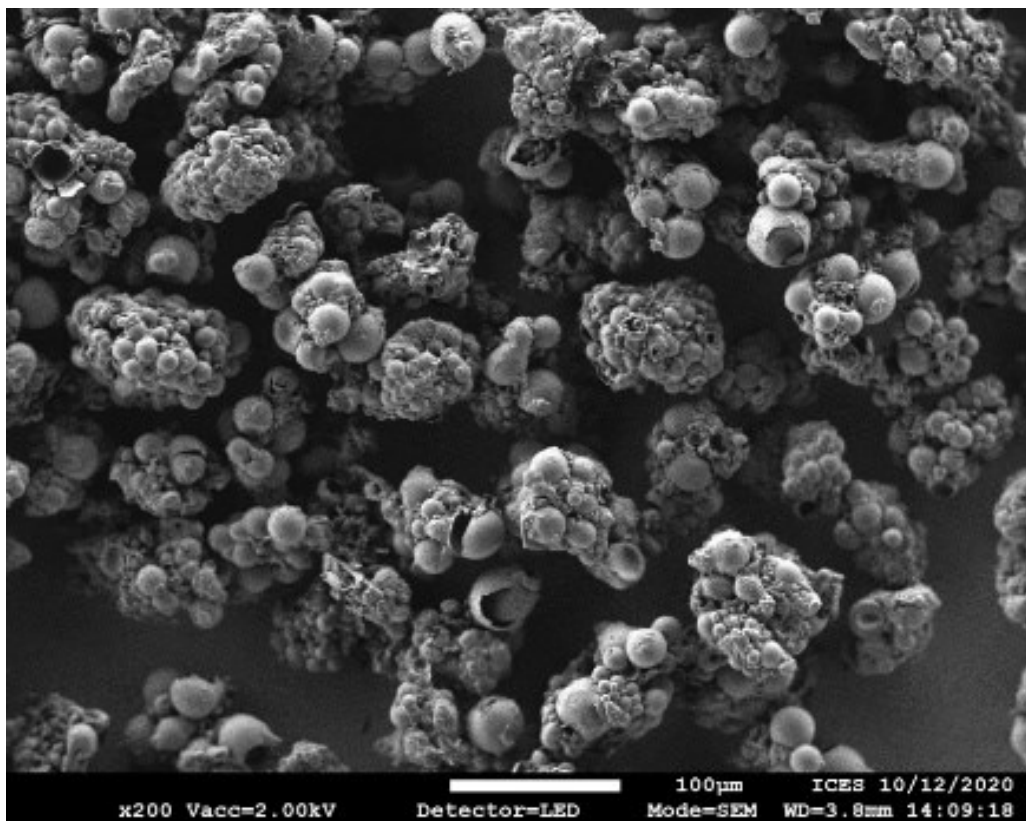


FIG. 7

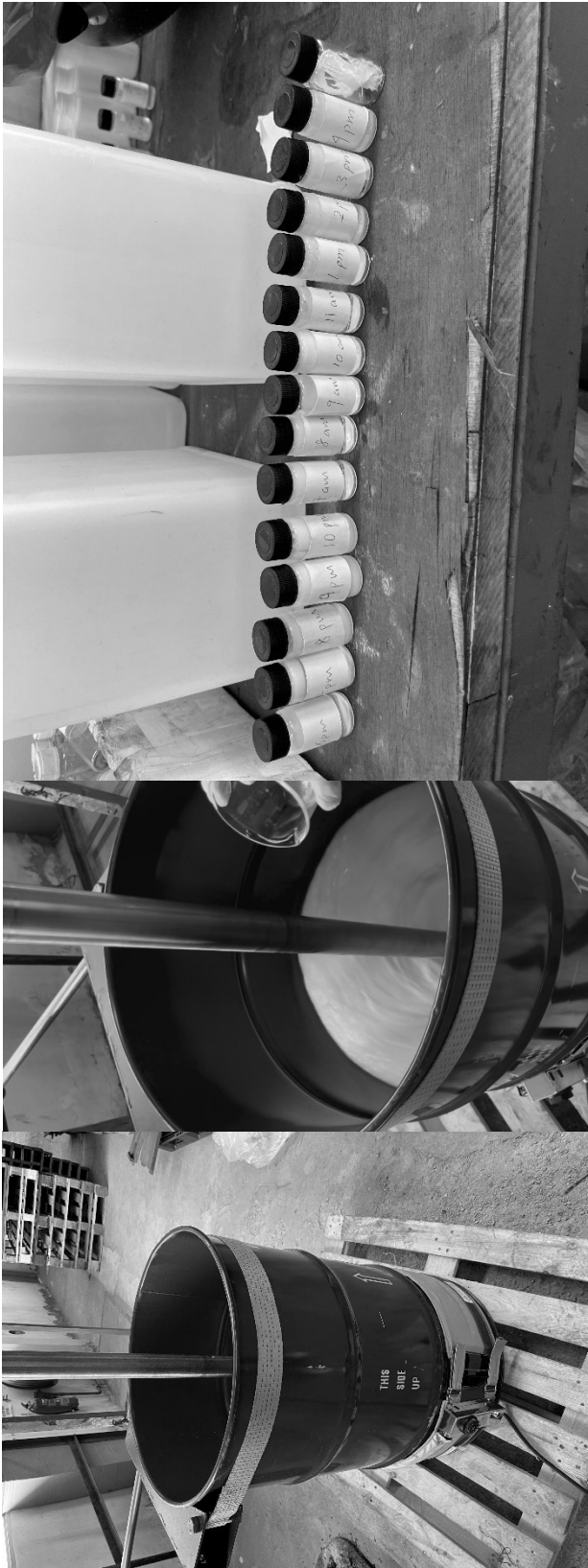


FIG. 8



FIG. 9

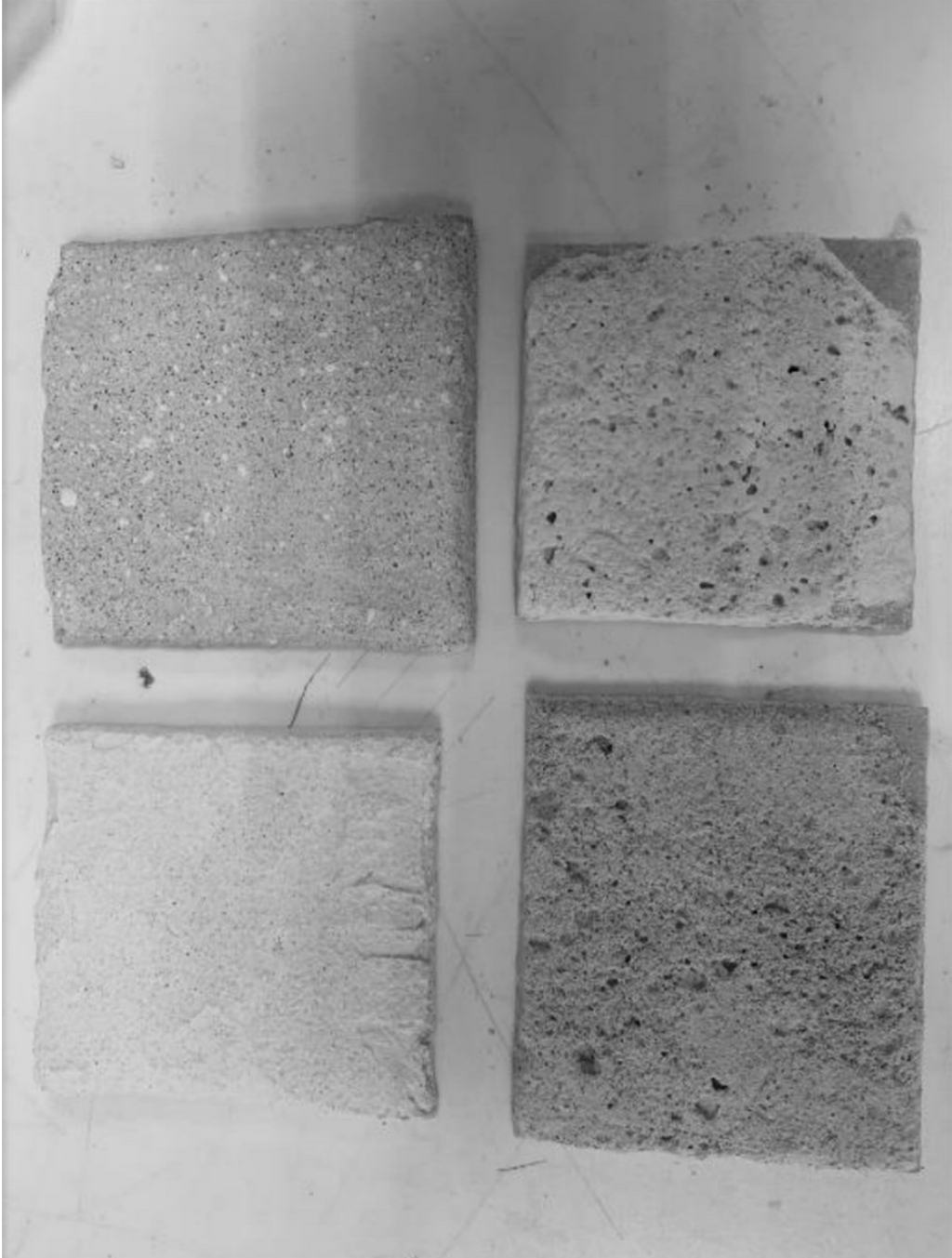


FIG. 10

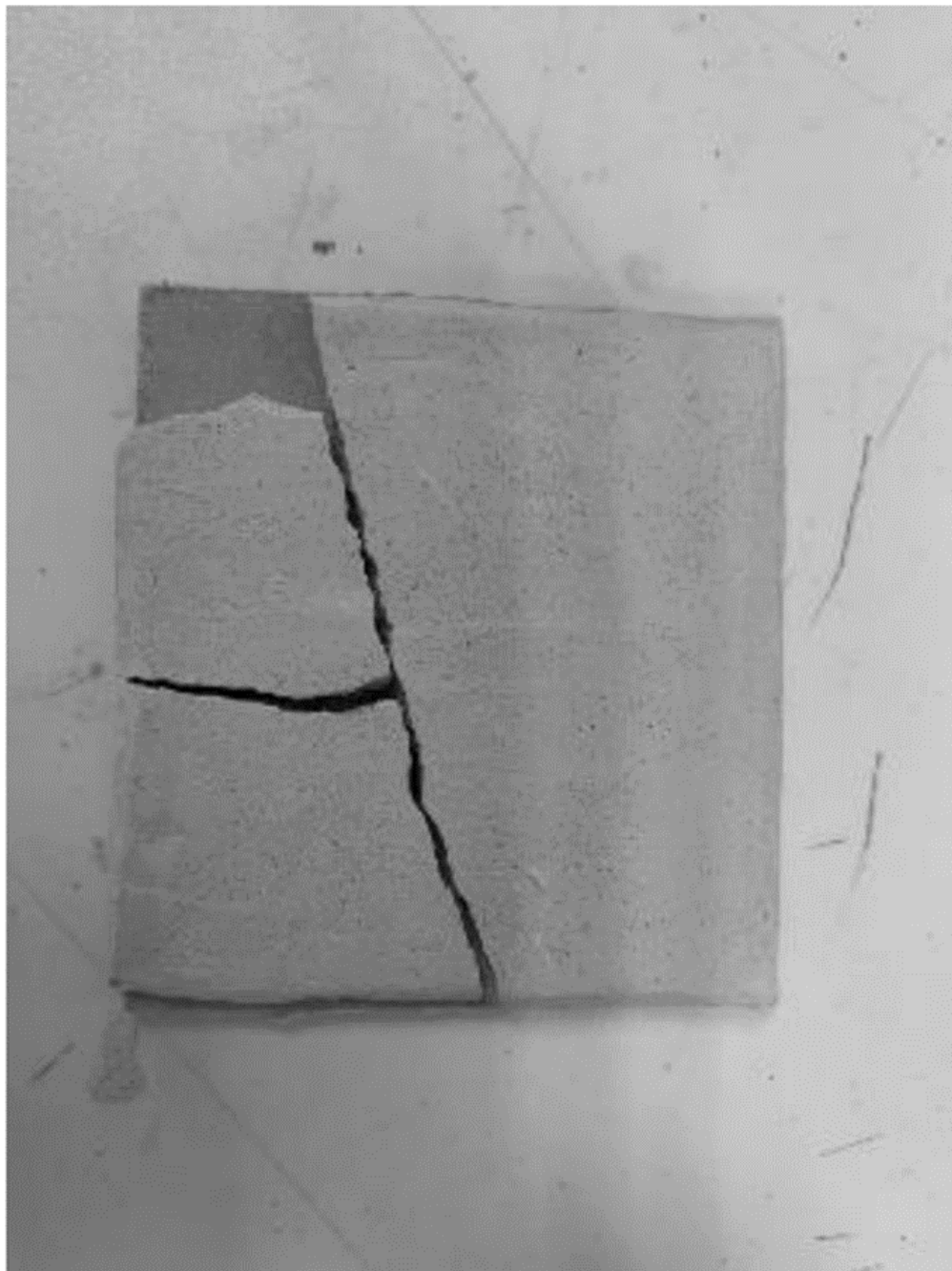


FIG. 11

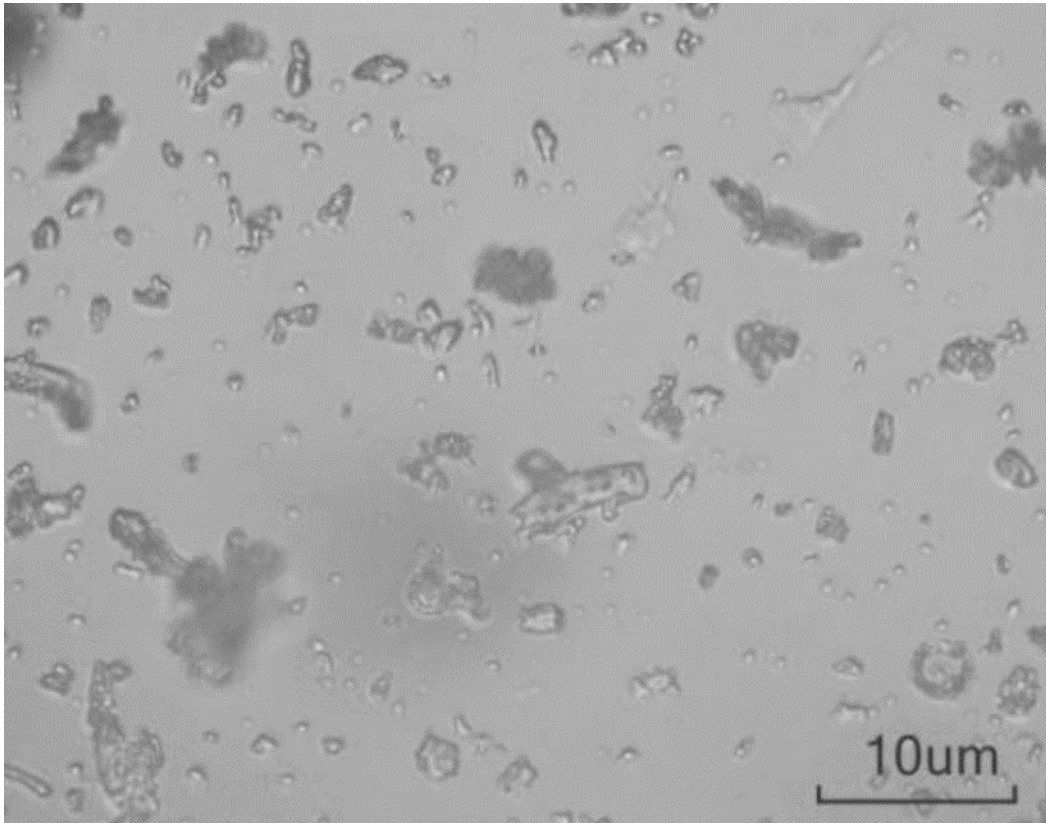


FIG. 12

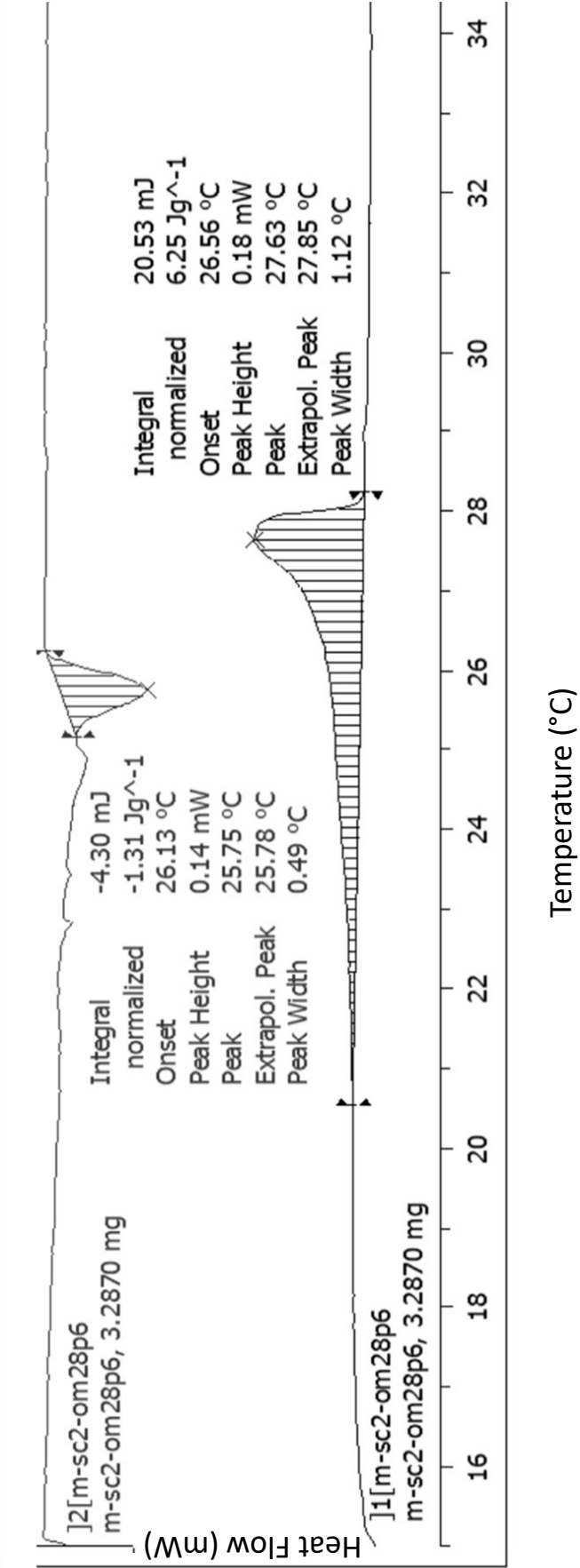


FIG. 13

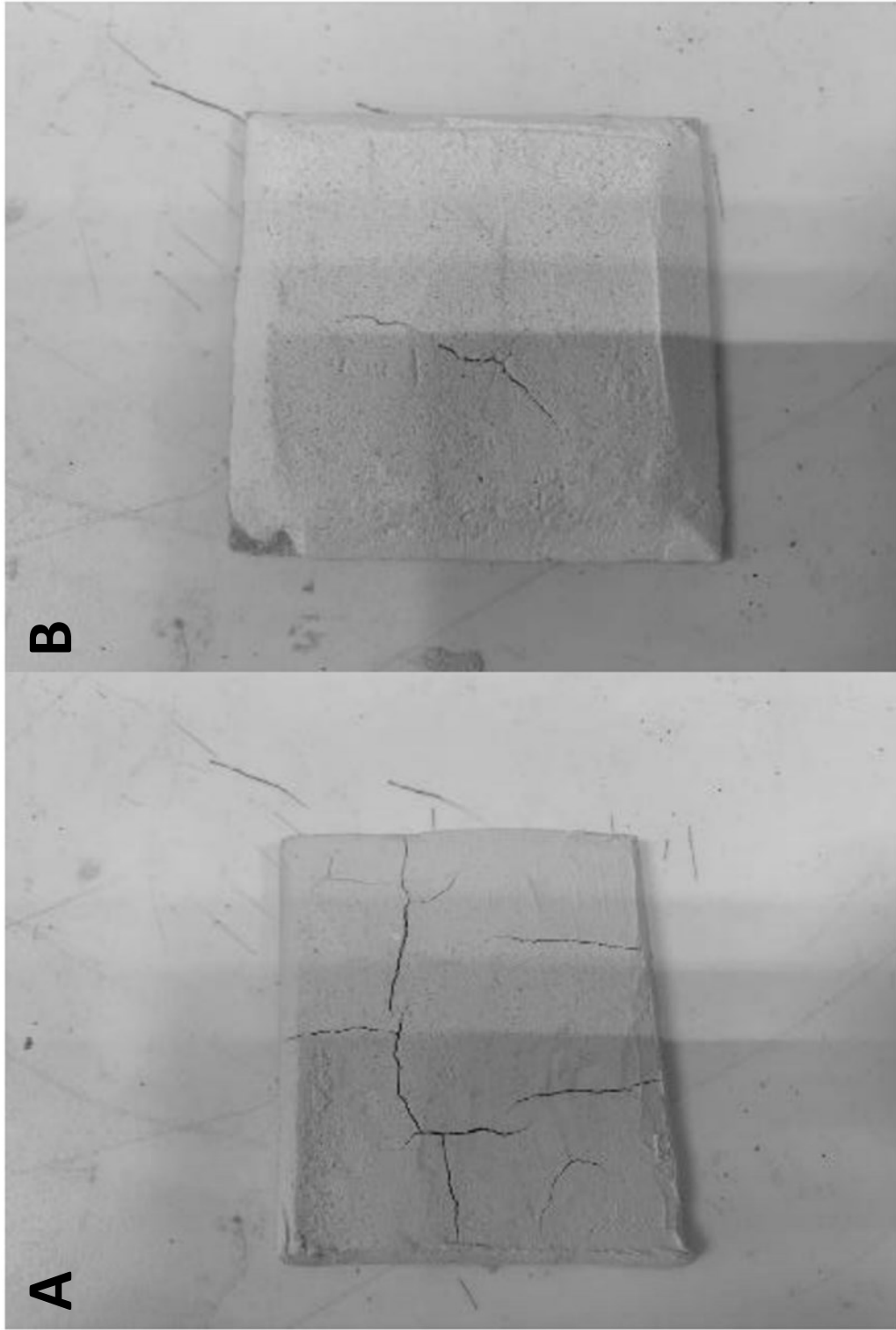


FIG. 14

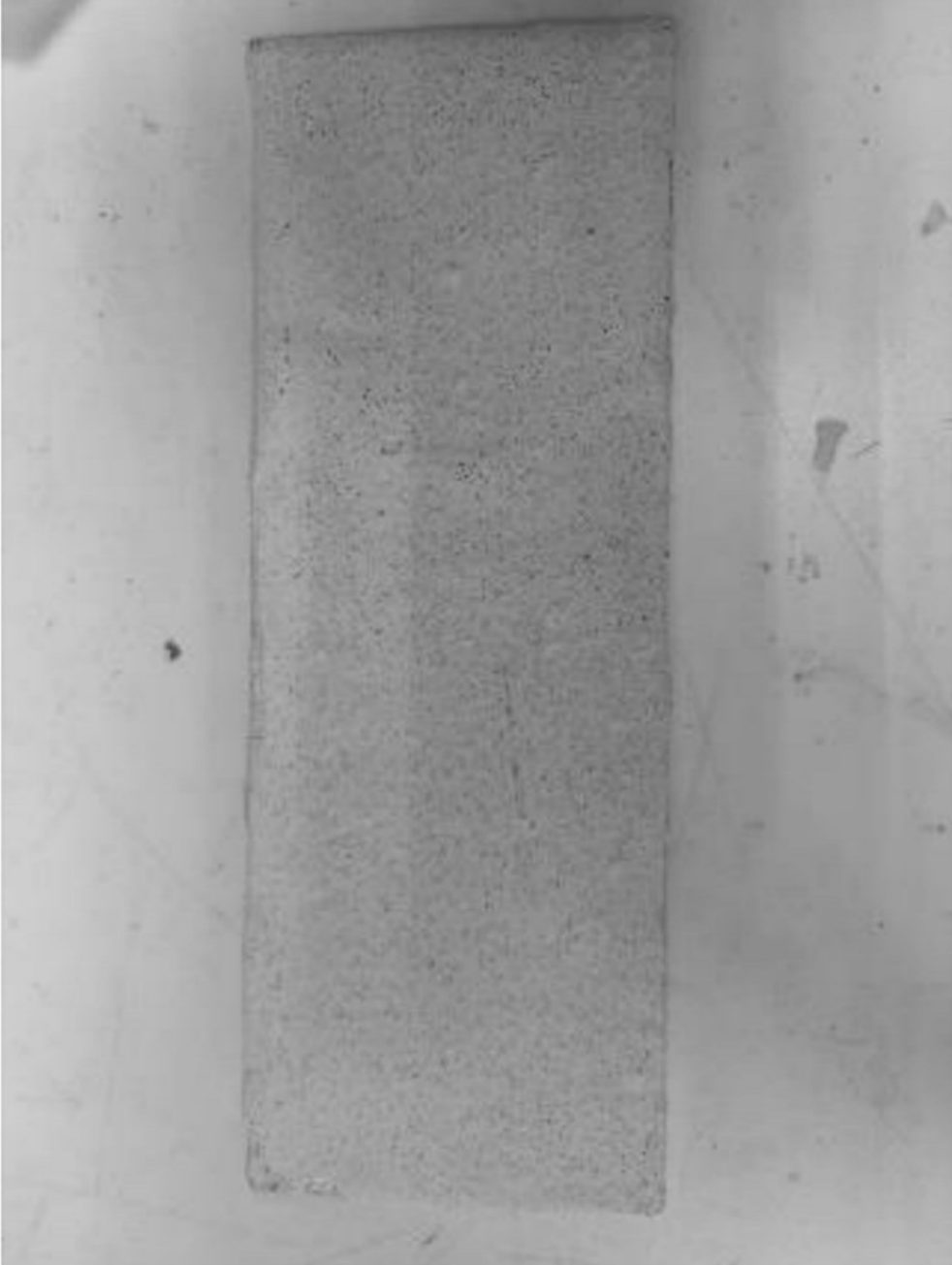


FIG. 15

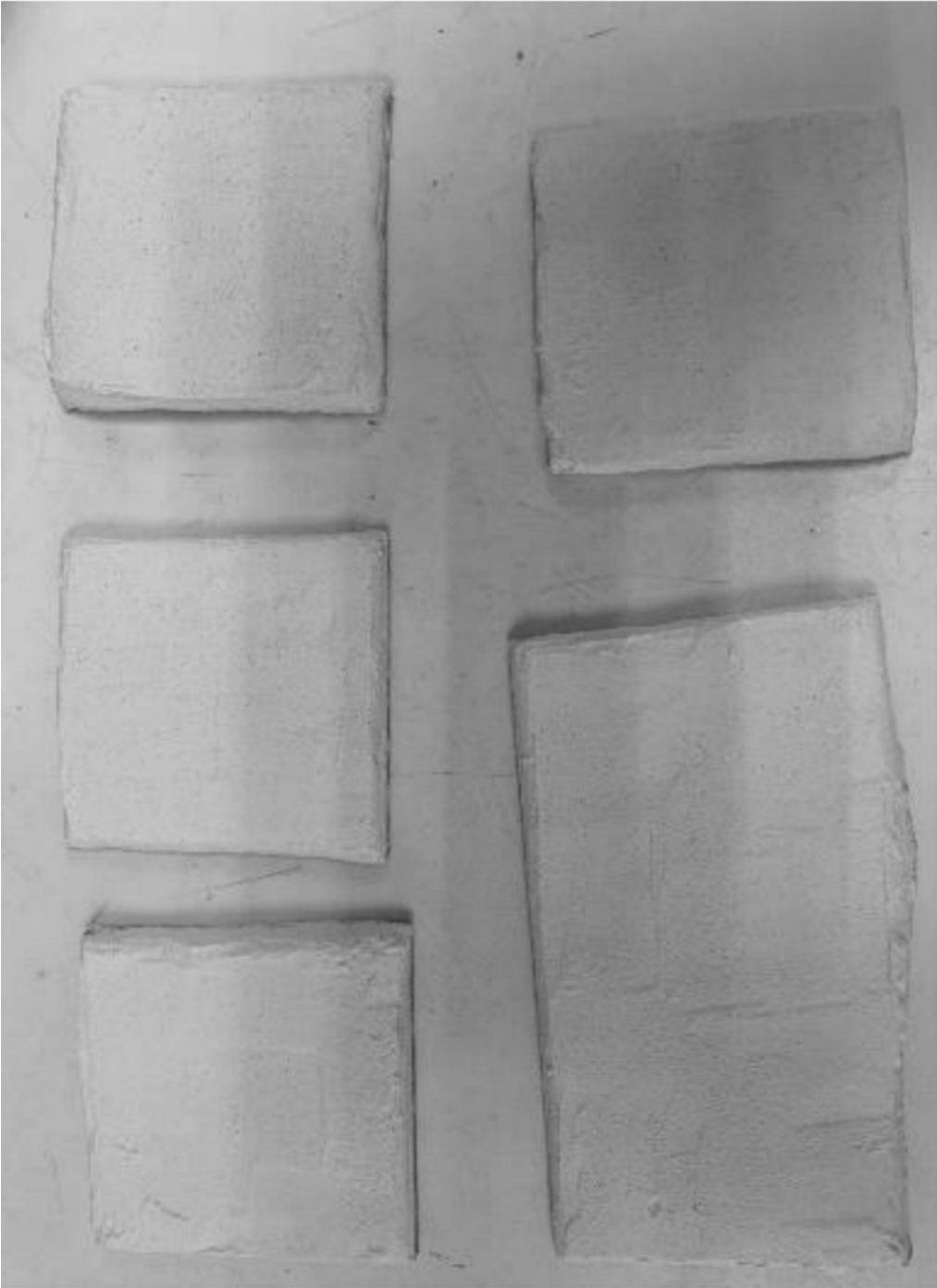
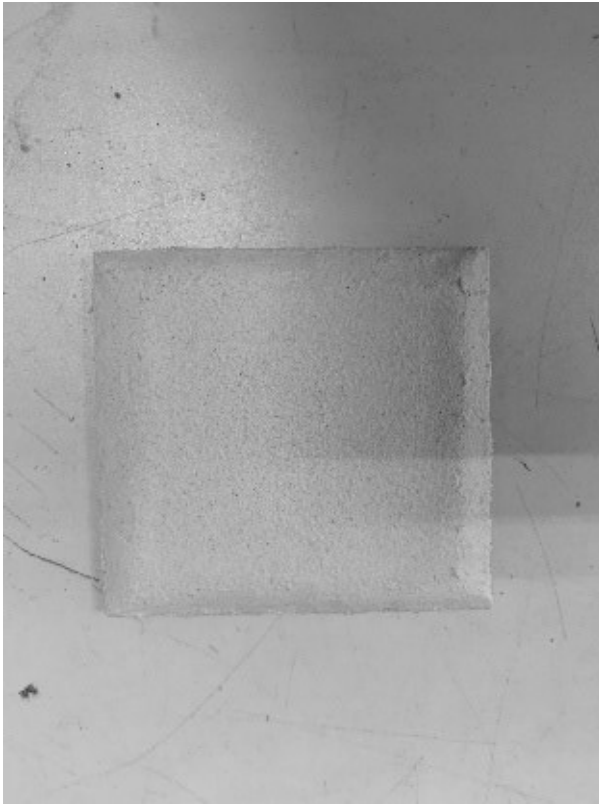
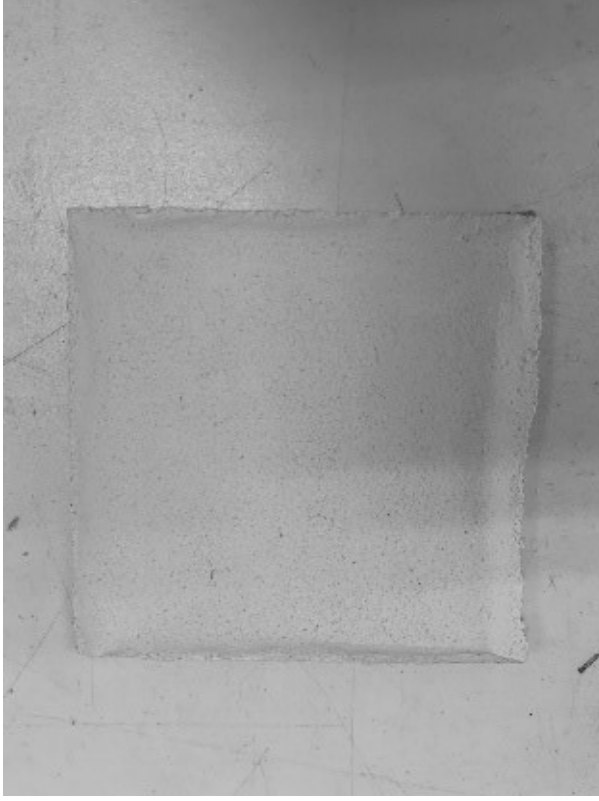


FIG. 16



Control 1: with fillers and additives



Control 2: 40 wt% cement + 60 wt% sand

FIG. 17



10 wt% PCM

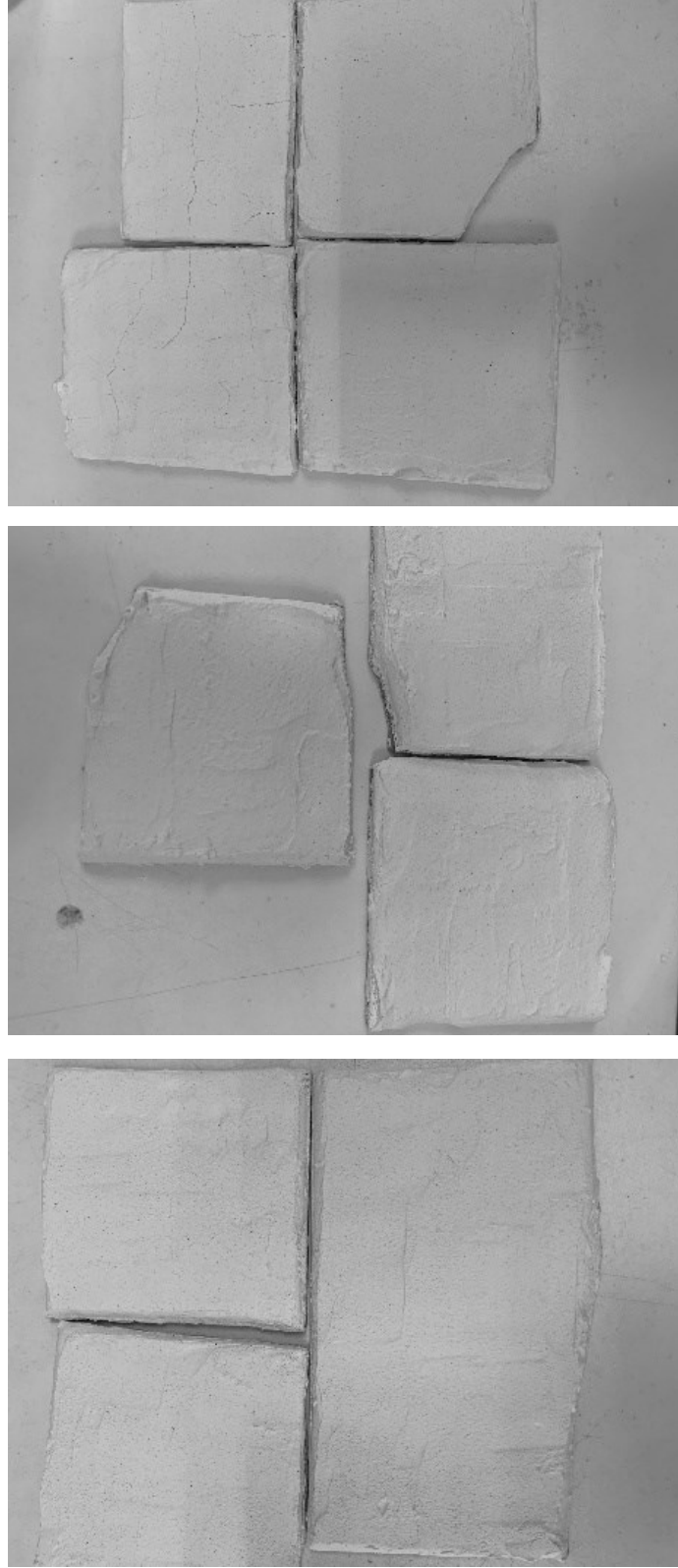


8 wt% PCM



5 wt% PCM

FIG. 18



20 wt% PCM

30 wt% PCM

40 wt% PCM

FIG. 19

Thermal Conductivity

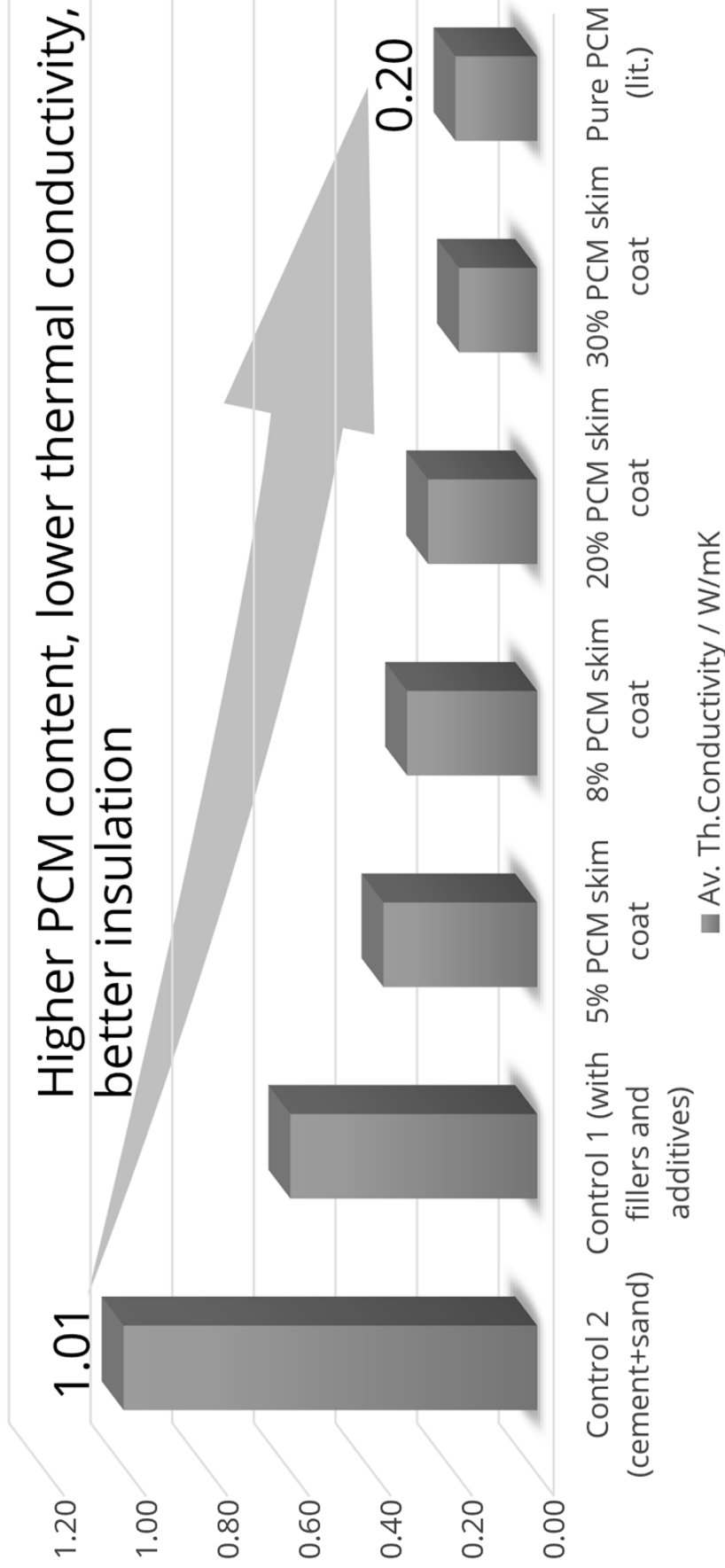


FIG. 20

Specific Heat Capacity (by volume)

Higher PCM content, larger Heat Capacity, better thermal control

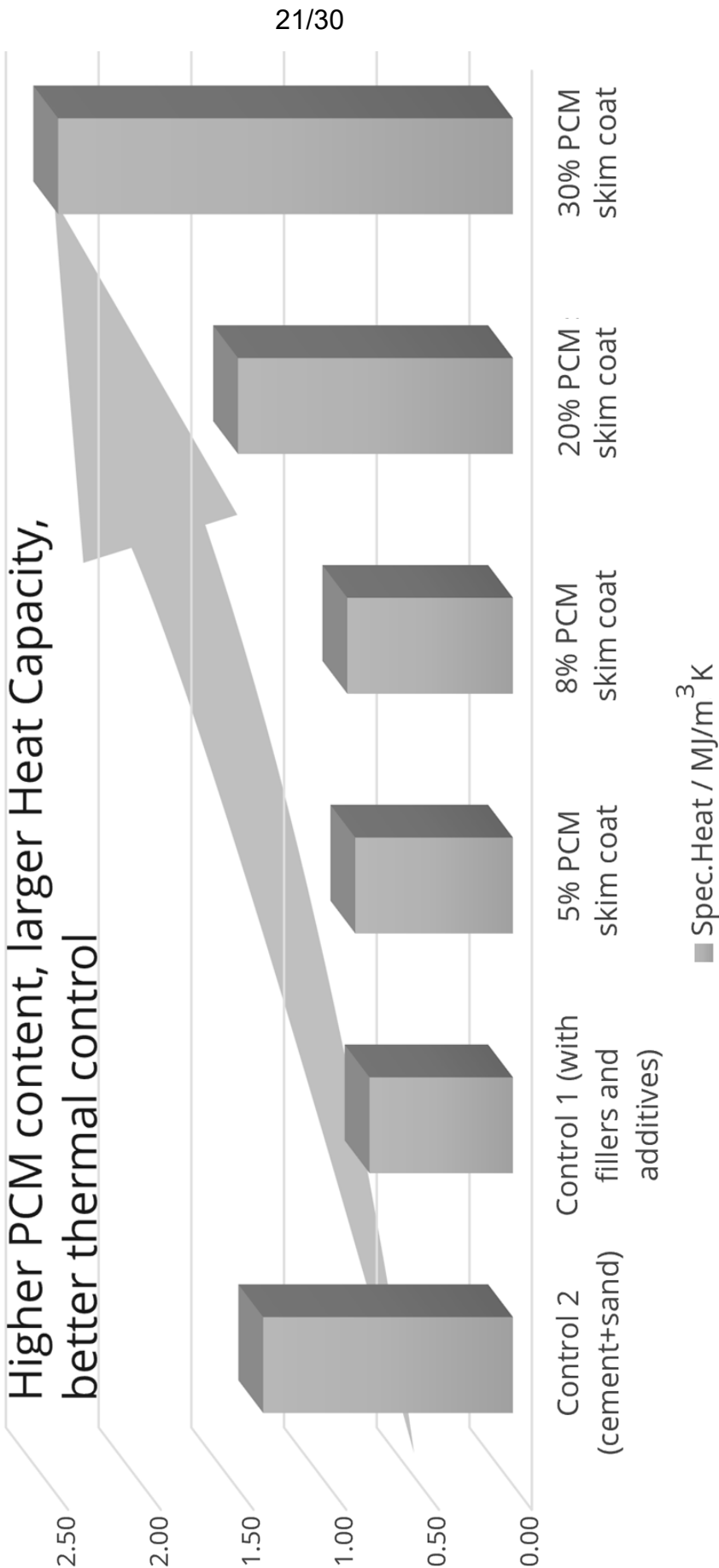


FIG. 21

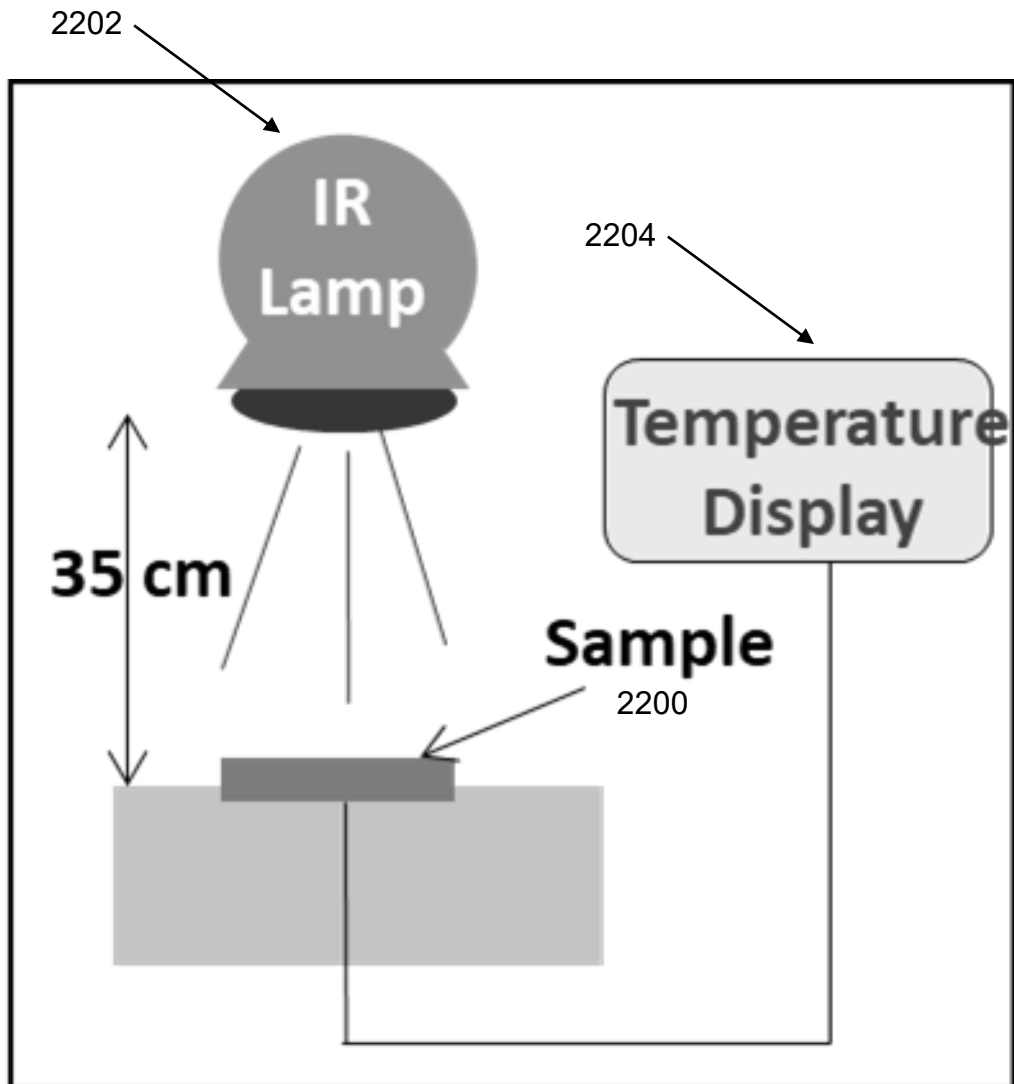


FIG. 22

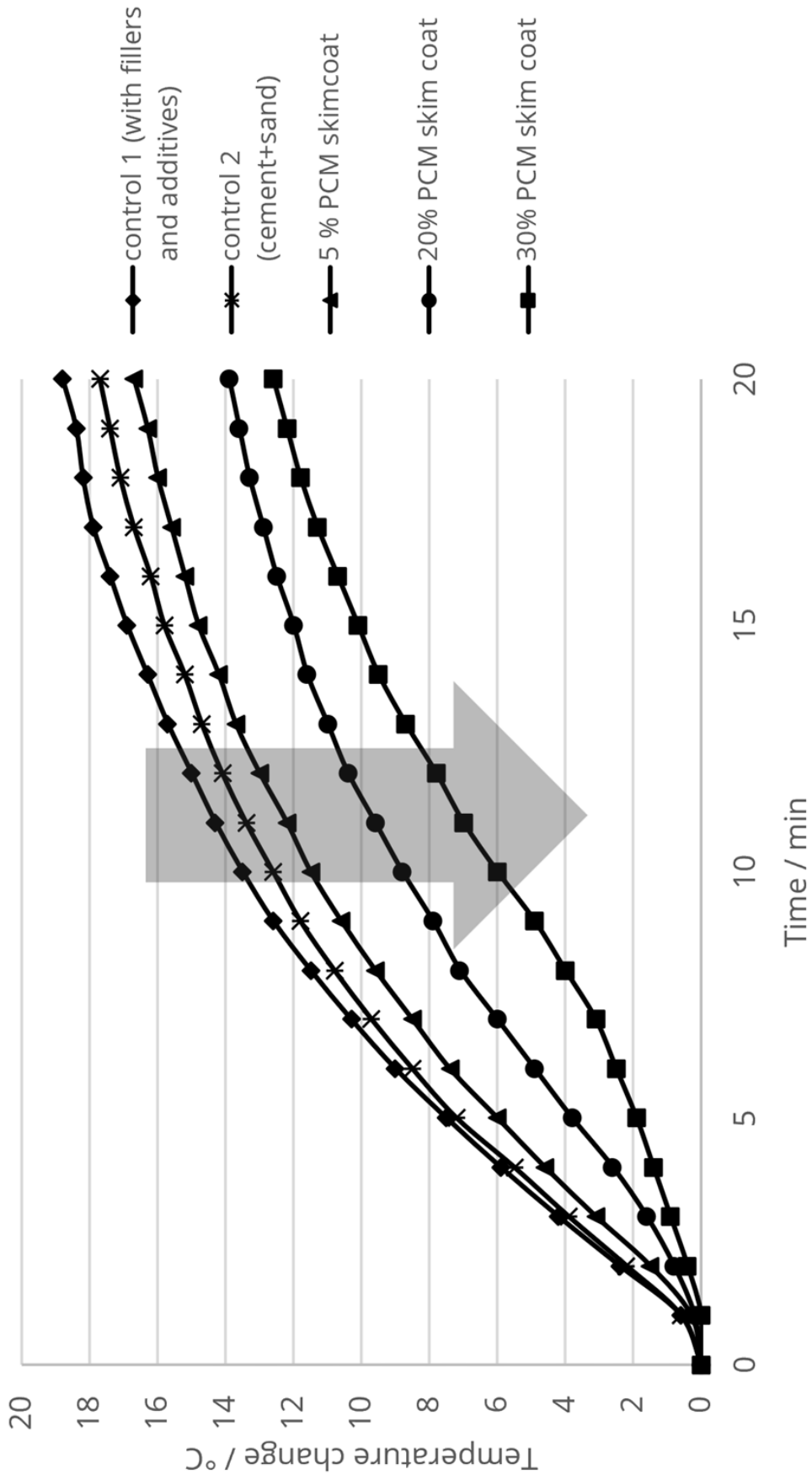


FIG. 23

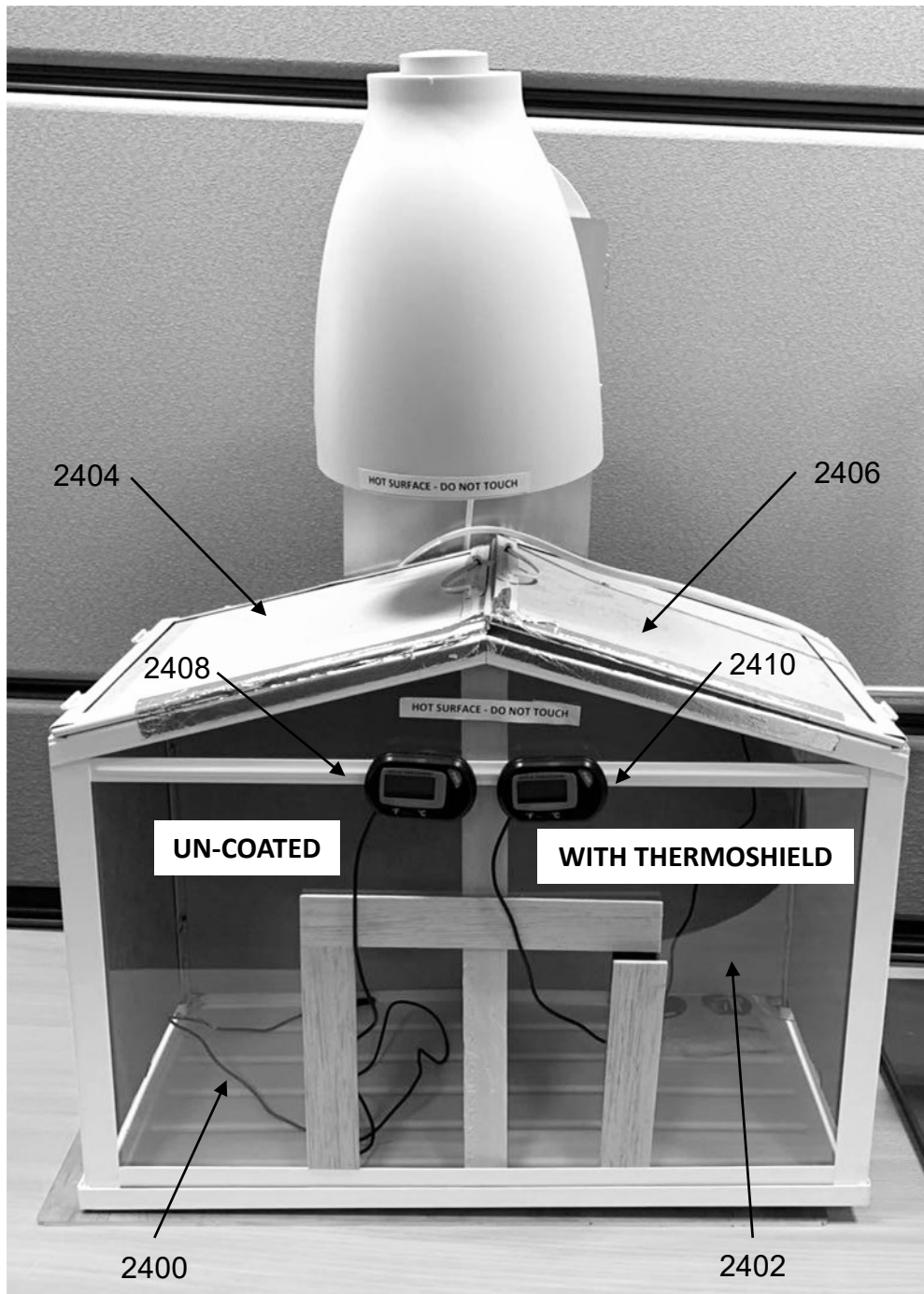


FIG. 24

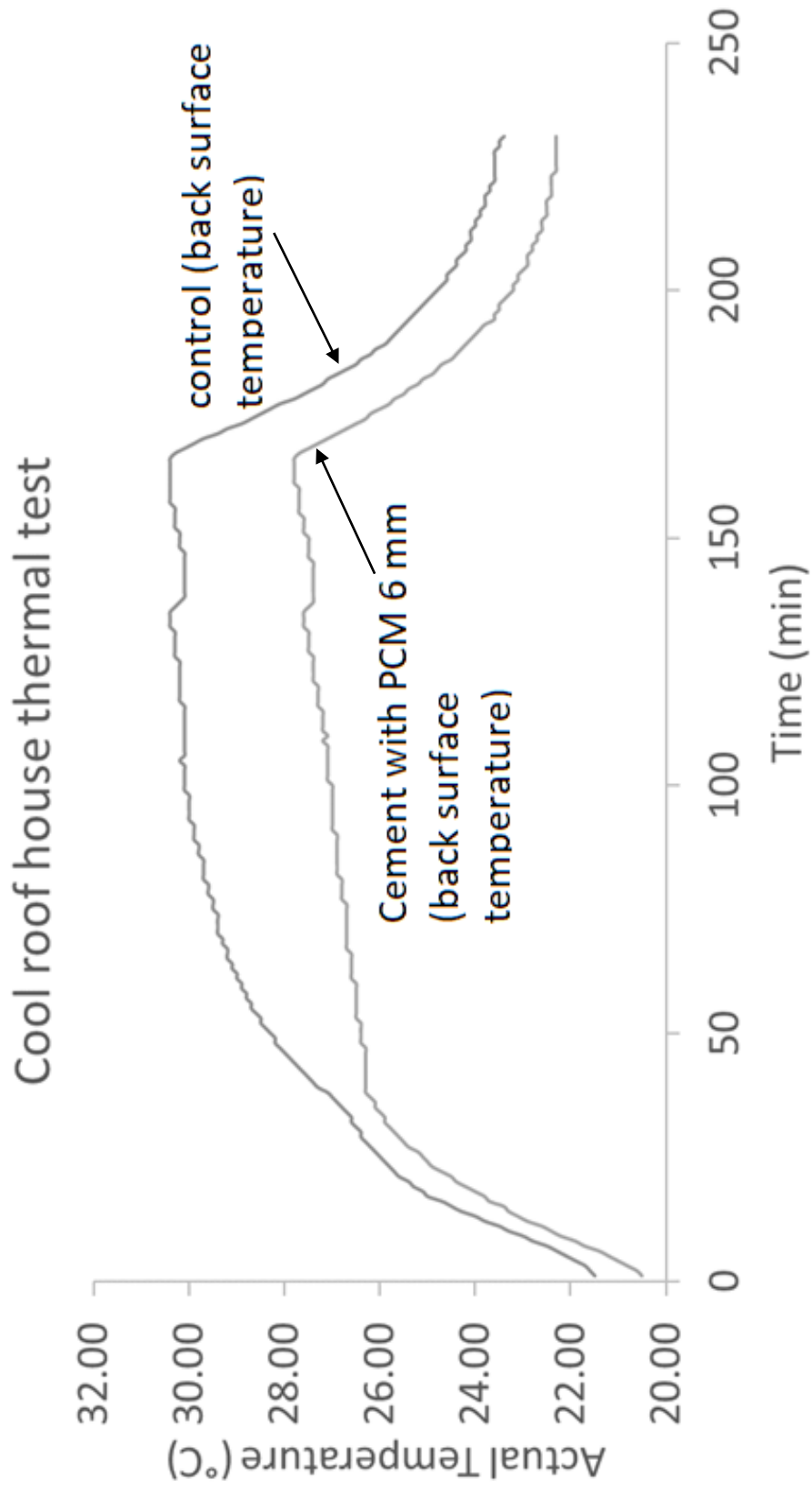


FIG. 25

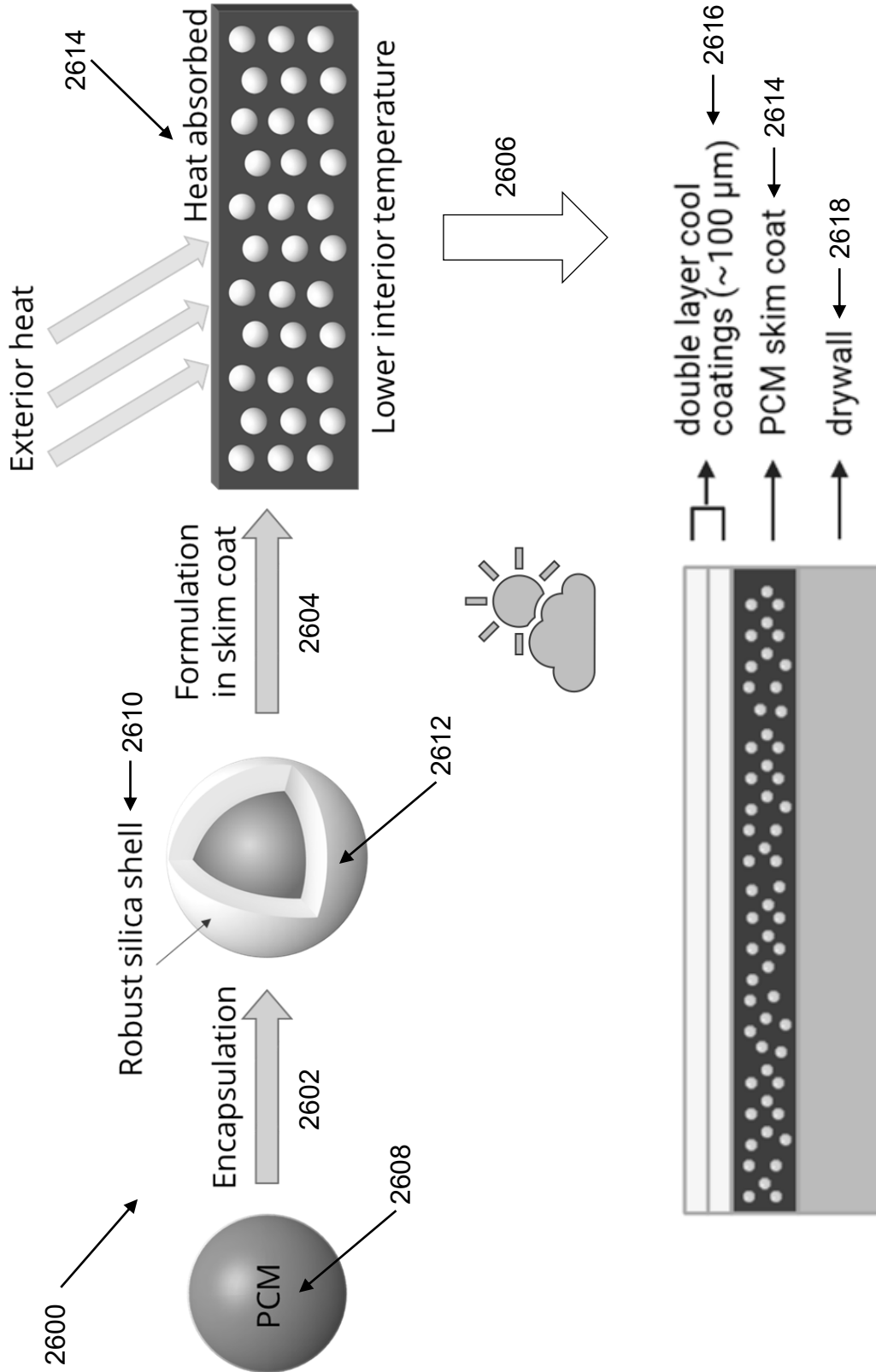


FIG. 26



Uncoated PCM skim coat Cool coatings + skim coat

FIG. 27

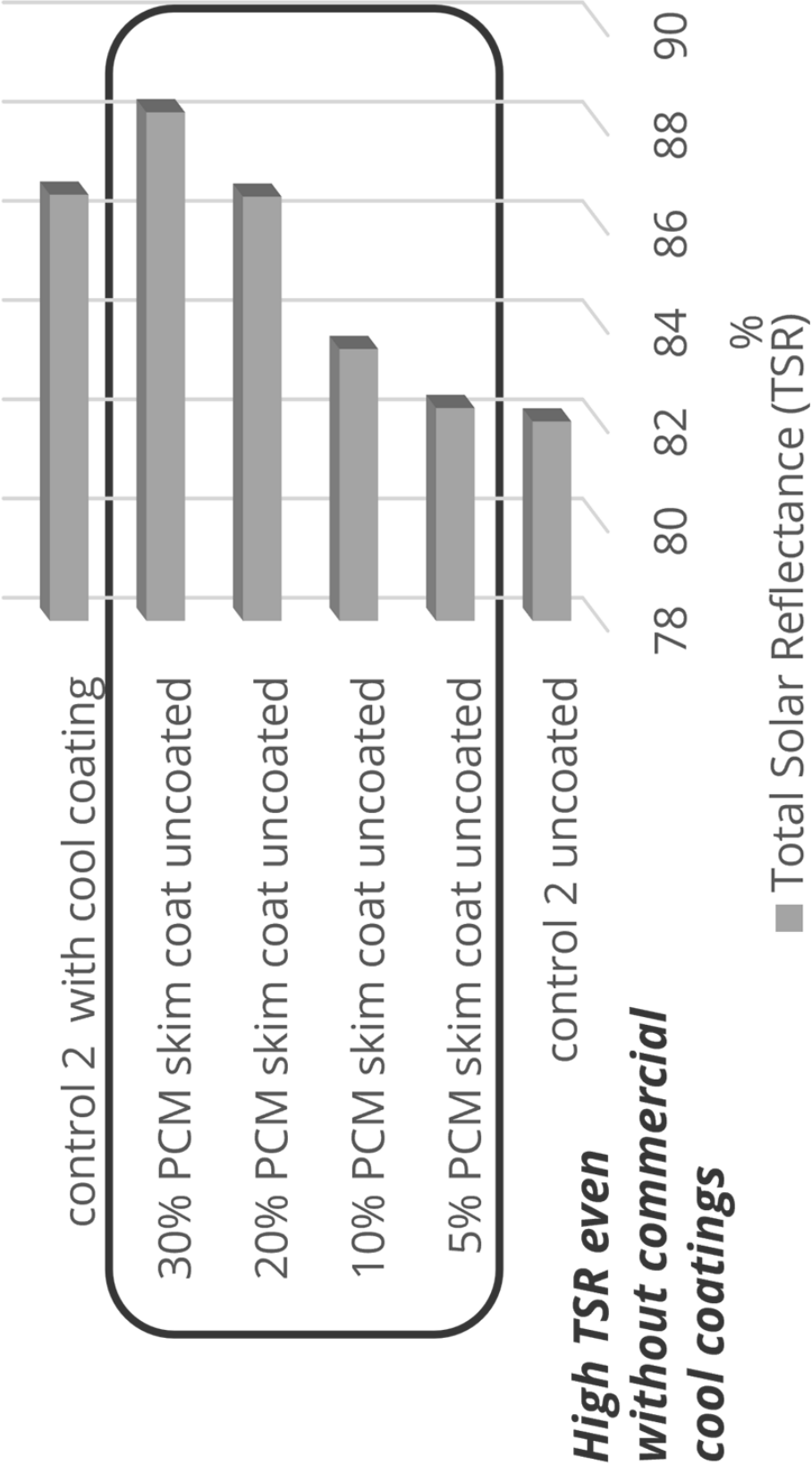


FIG. 28

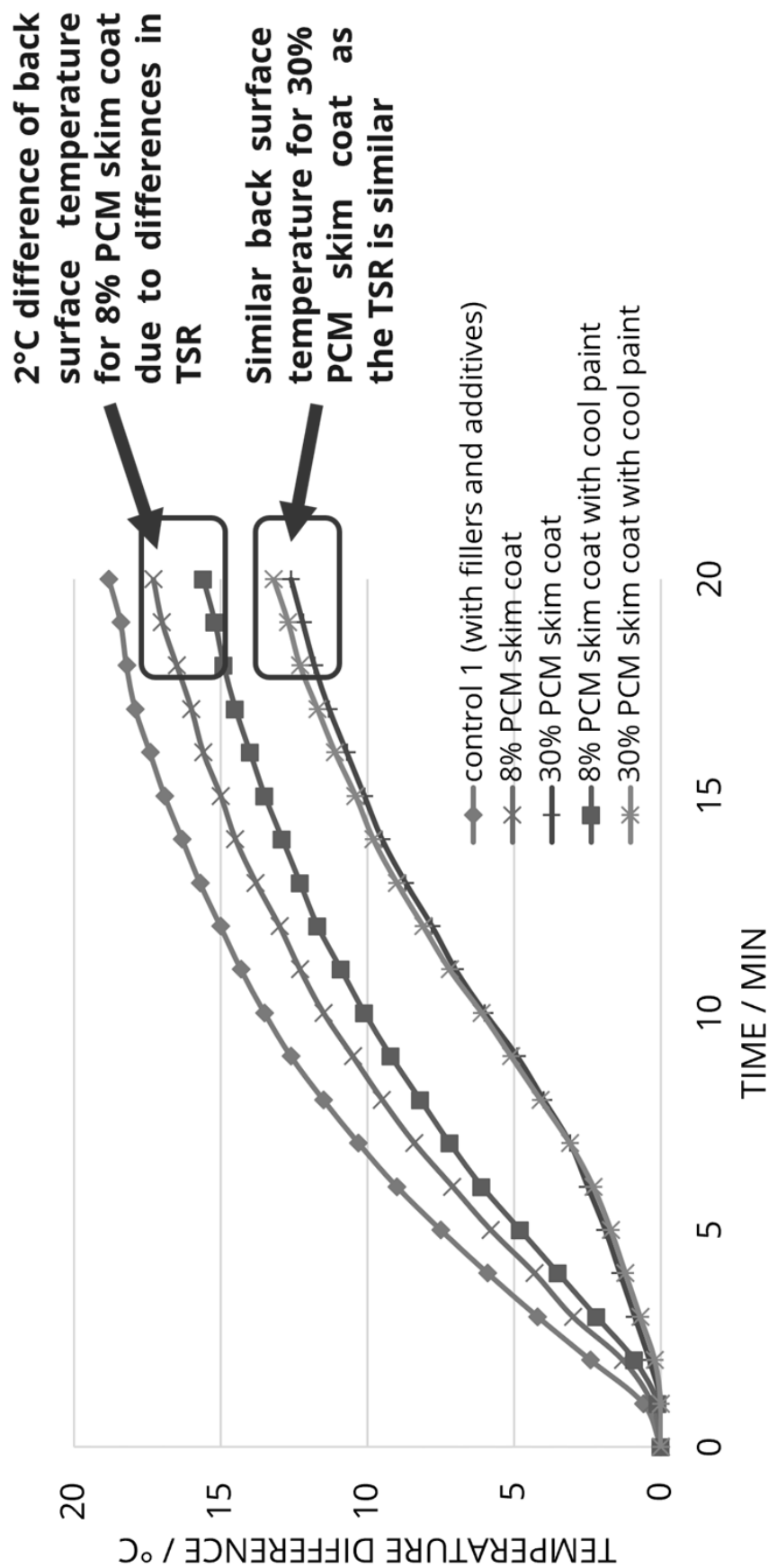


FIG. 29

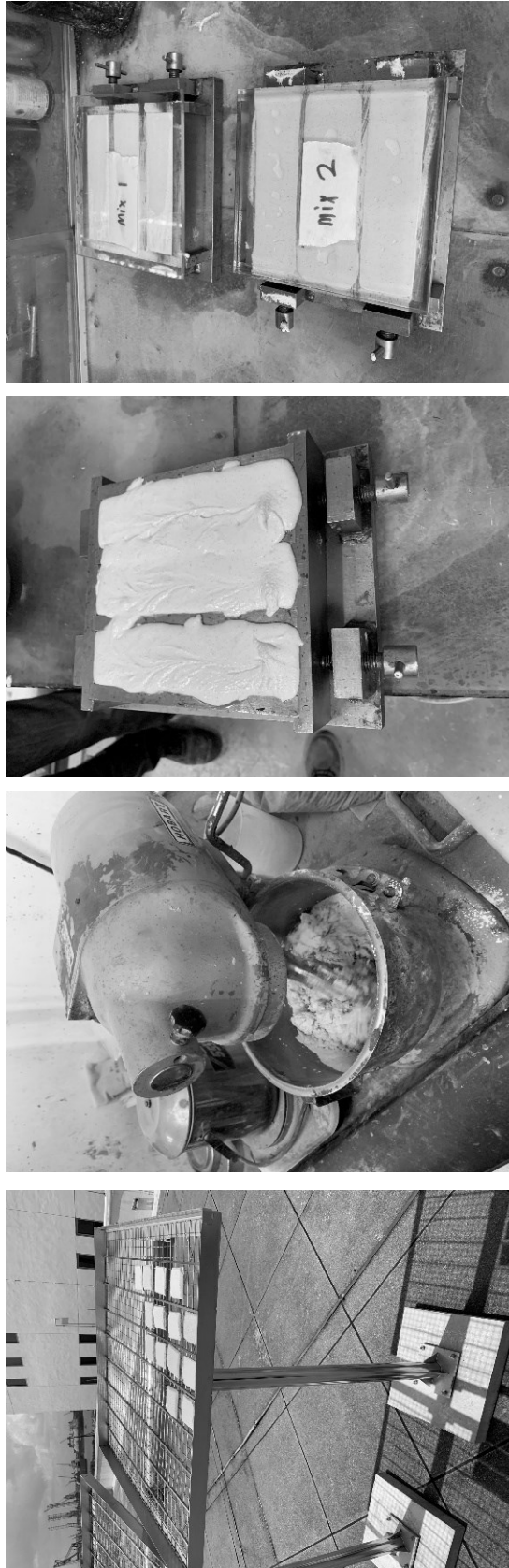


FIG. 30