How Support Material Can Reduce the Need for Buildability In 3D Printed Concrete Mix Design

UNDERGRADUATE RESEARCH SESSION

BY

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Summer Internship

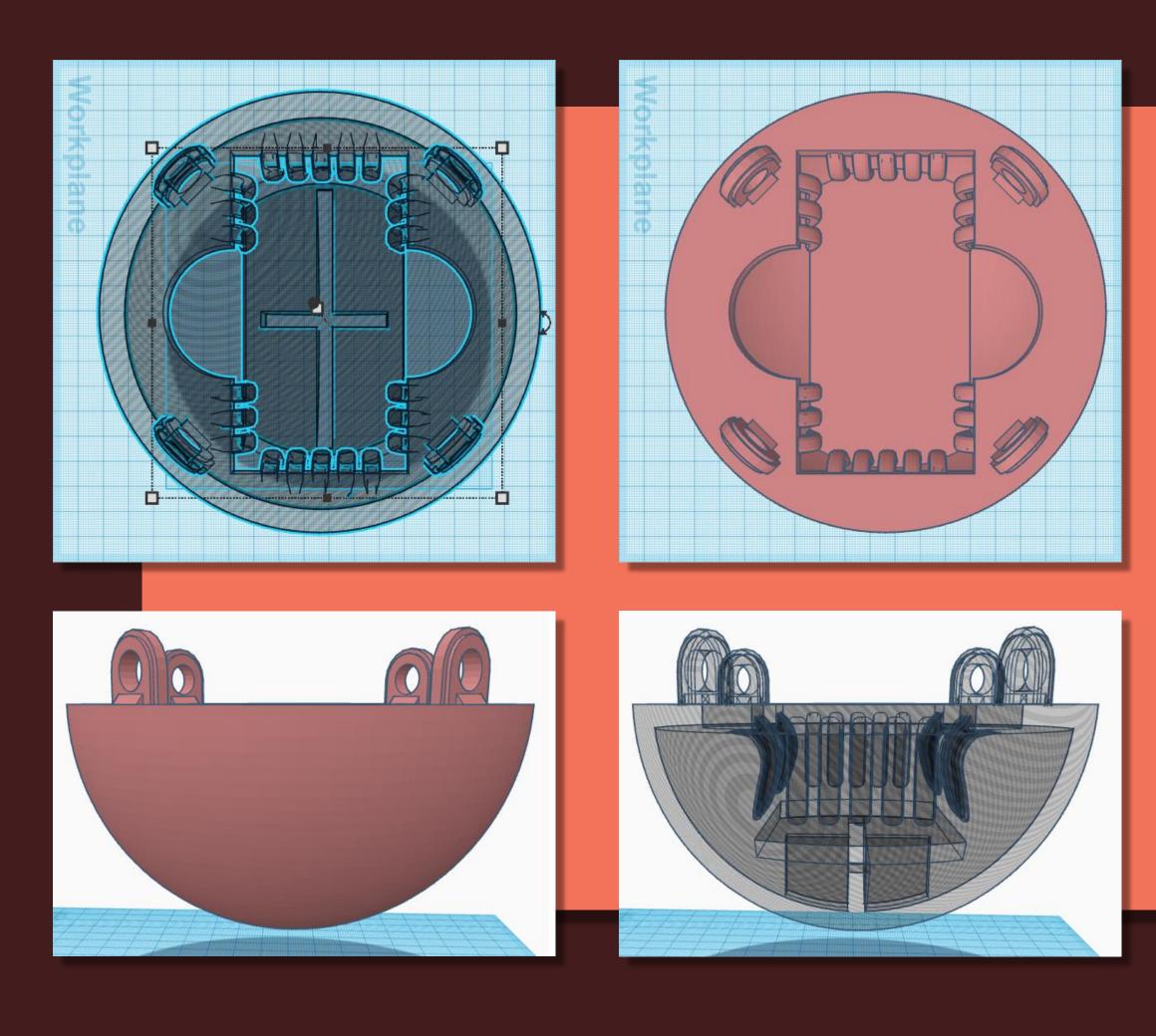
Air Force
Research Laboratory

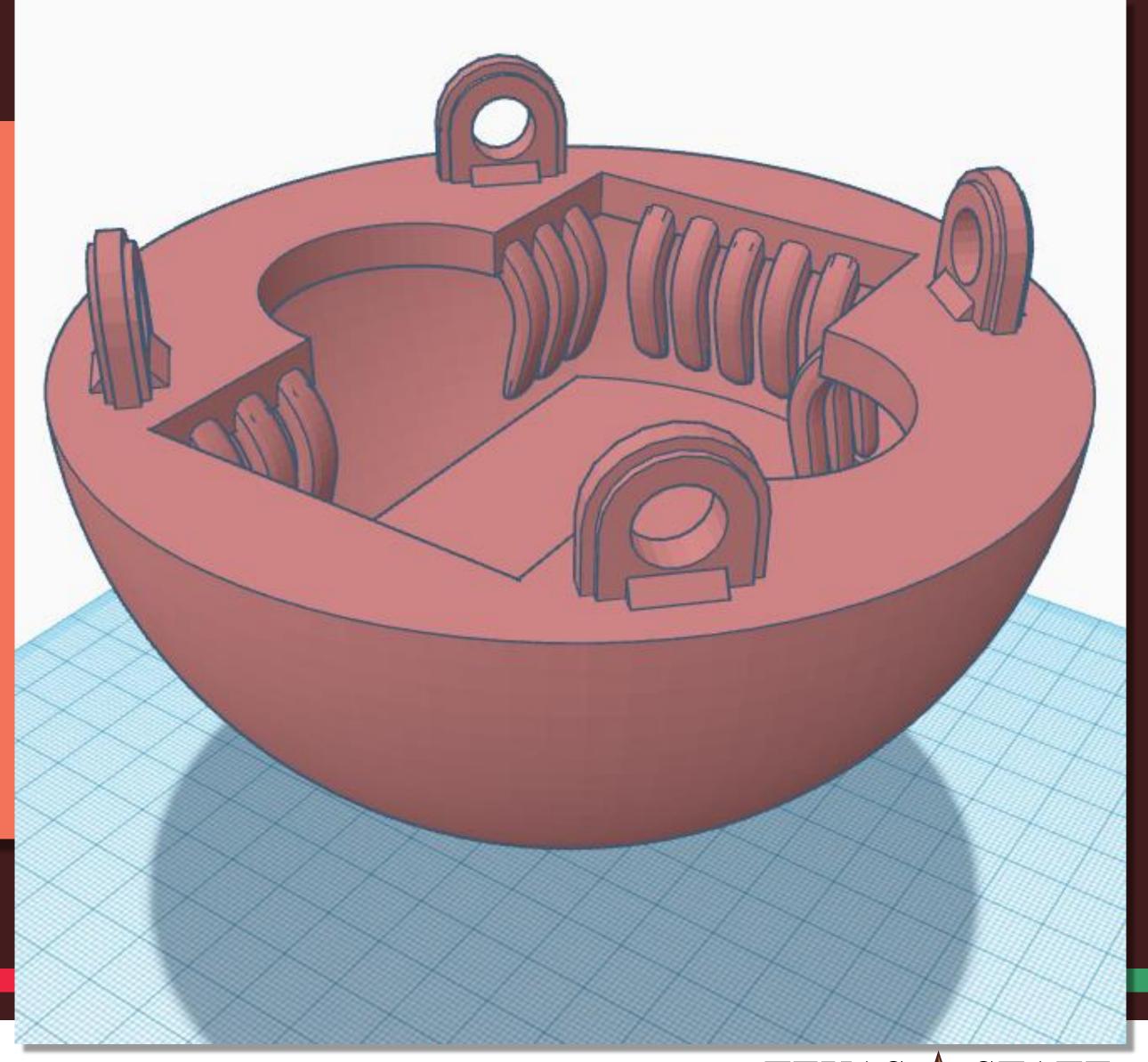


University of New Mexico

With Dr. Hojati
& Dr. Torres



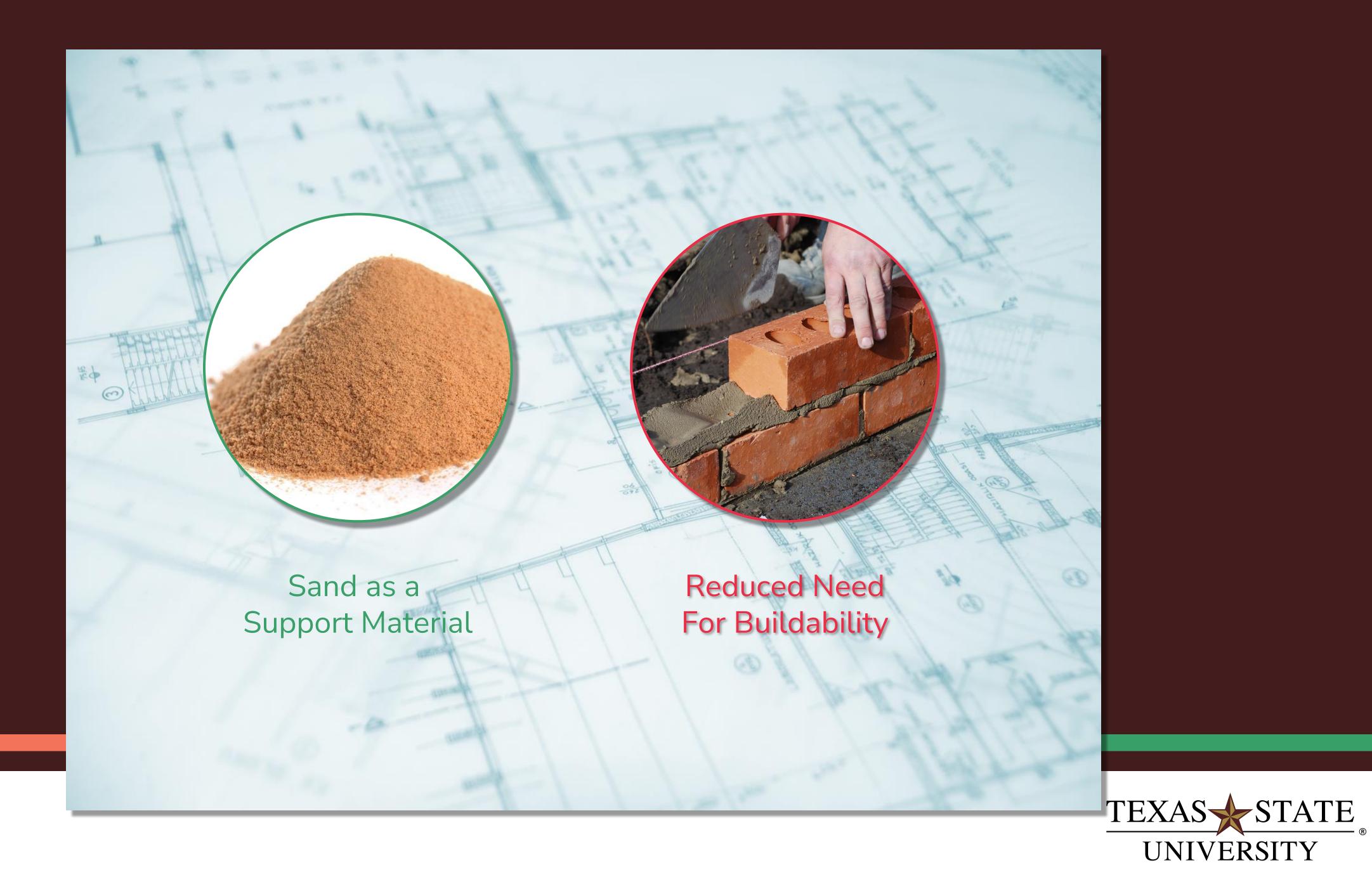








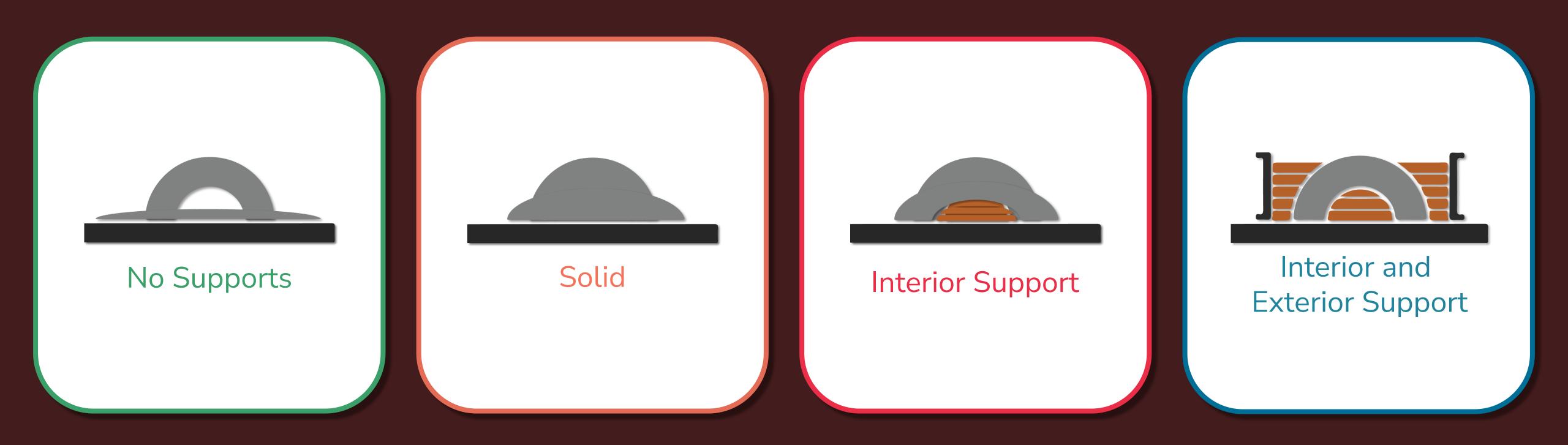








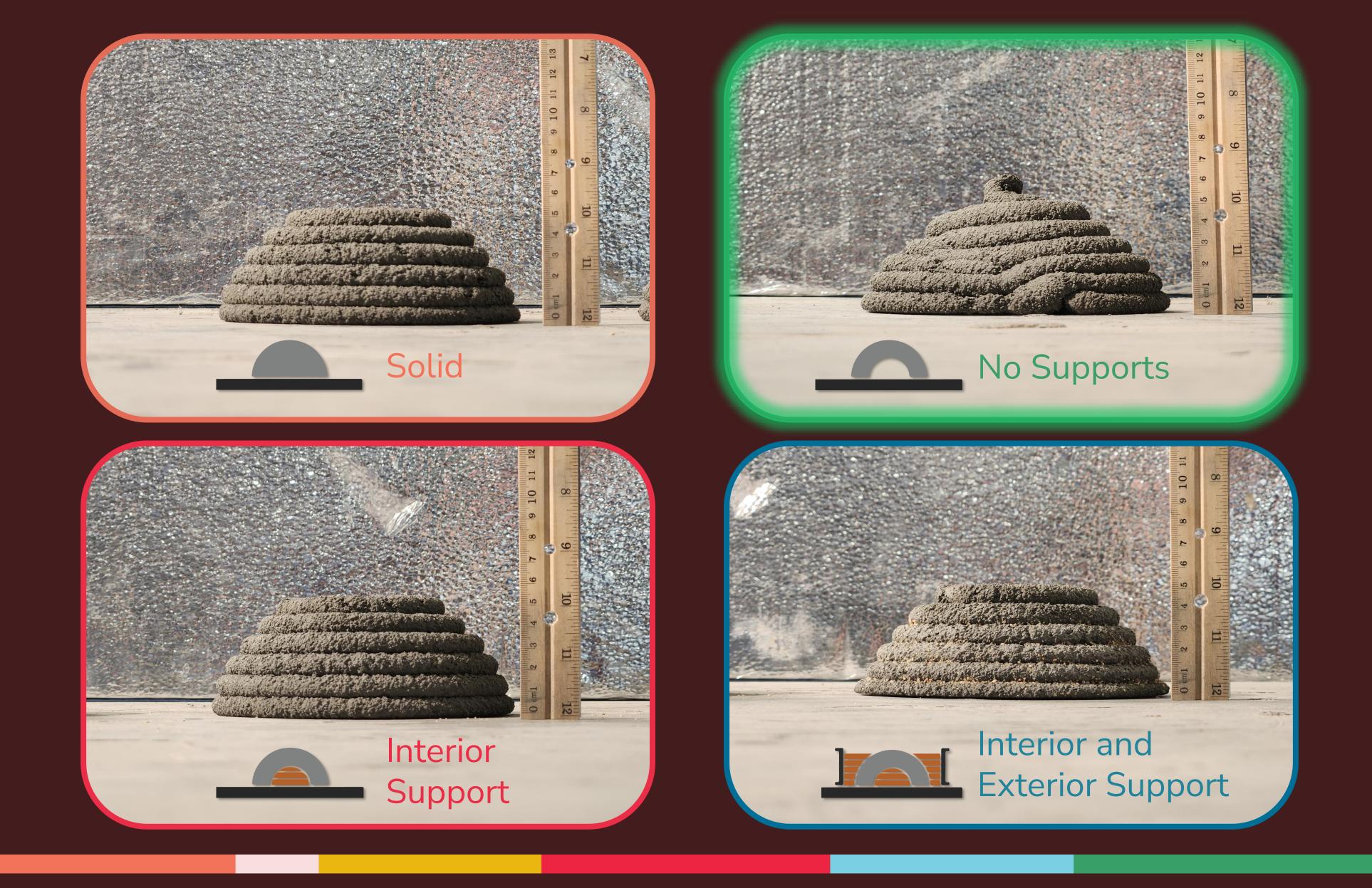






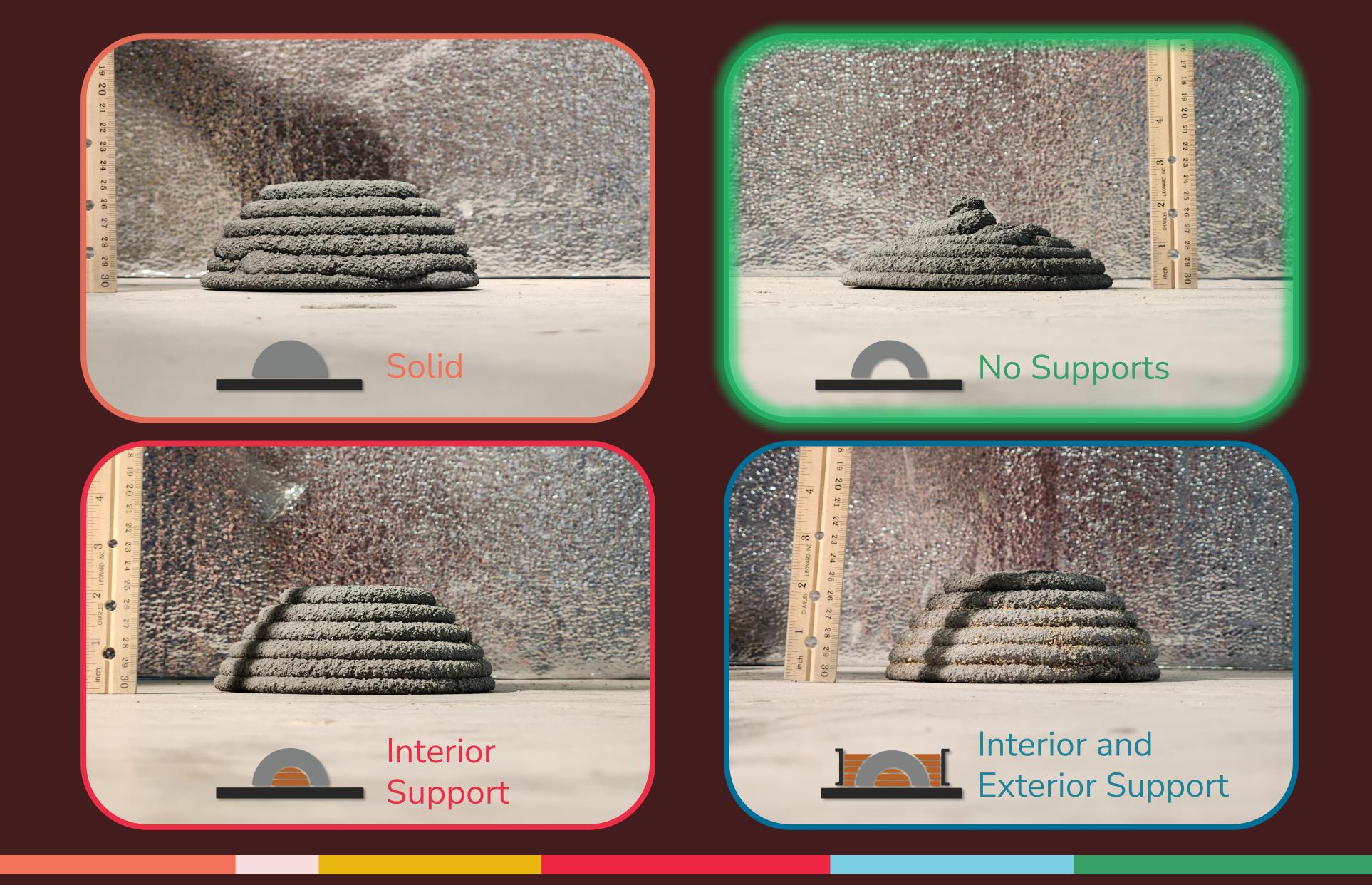






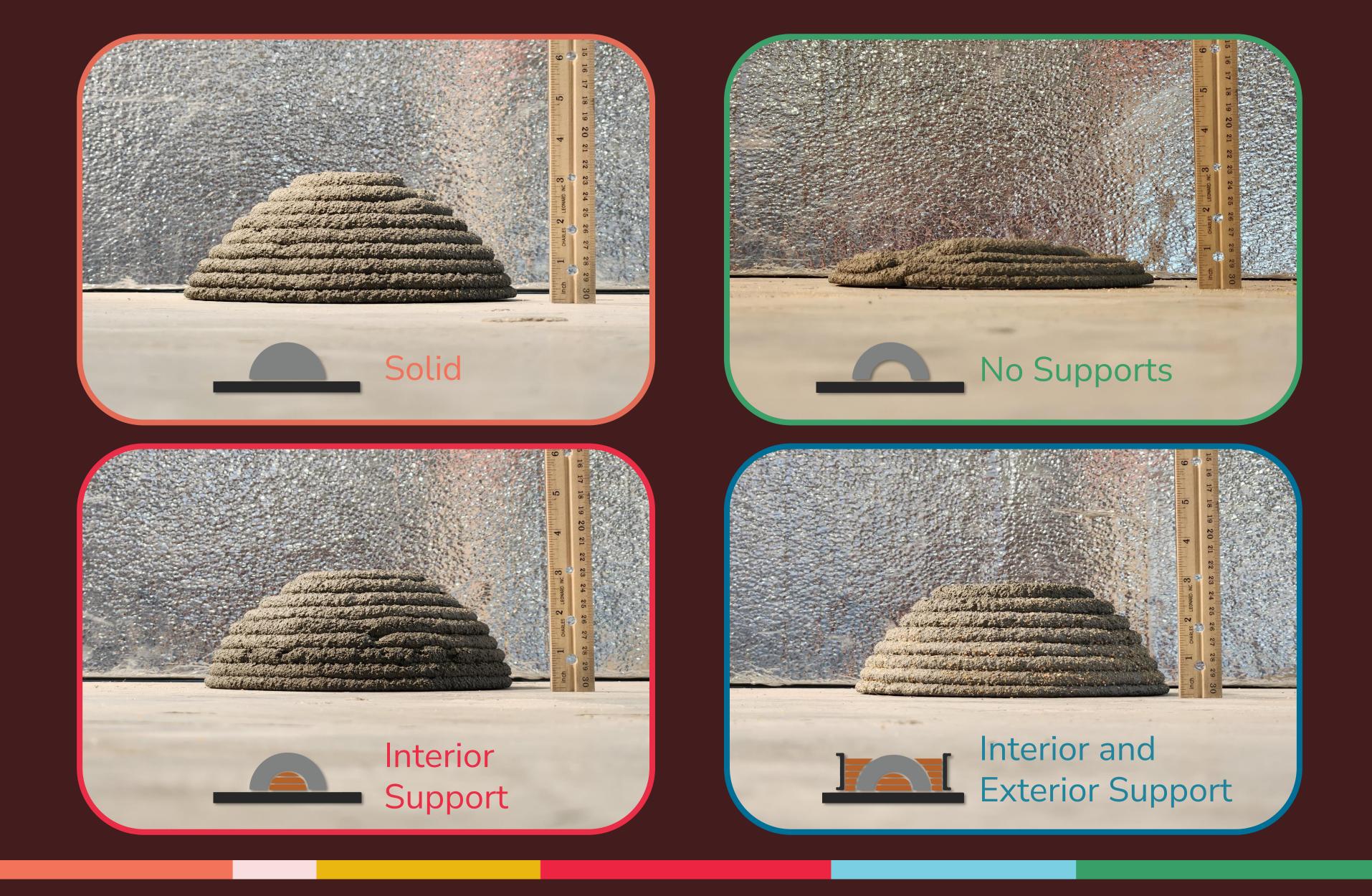
Print 1: Standard Mix Design W/C .35





Print 2: Increased Water Content W/C 0.38





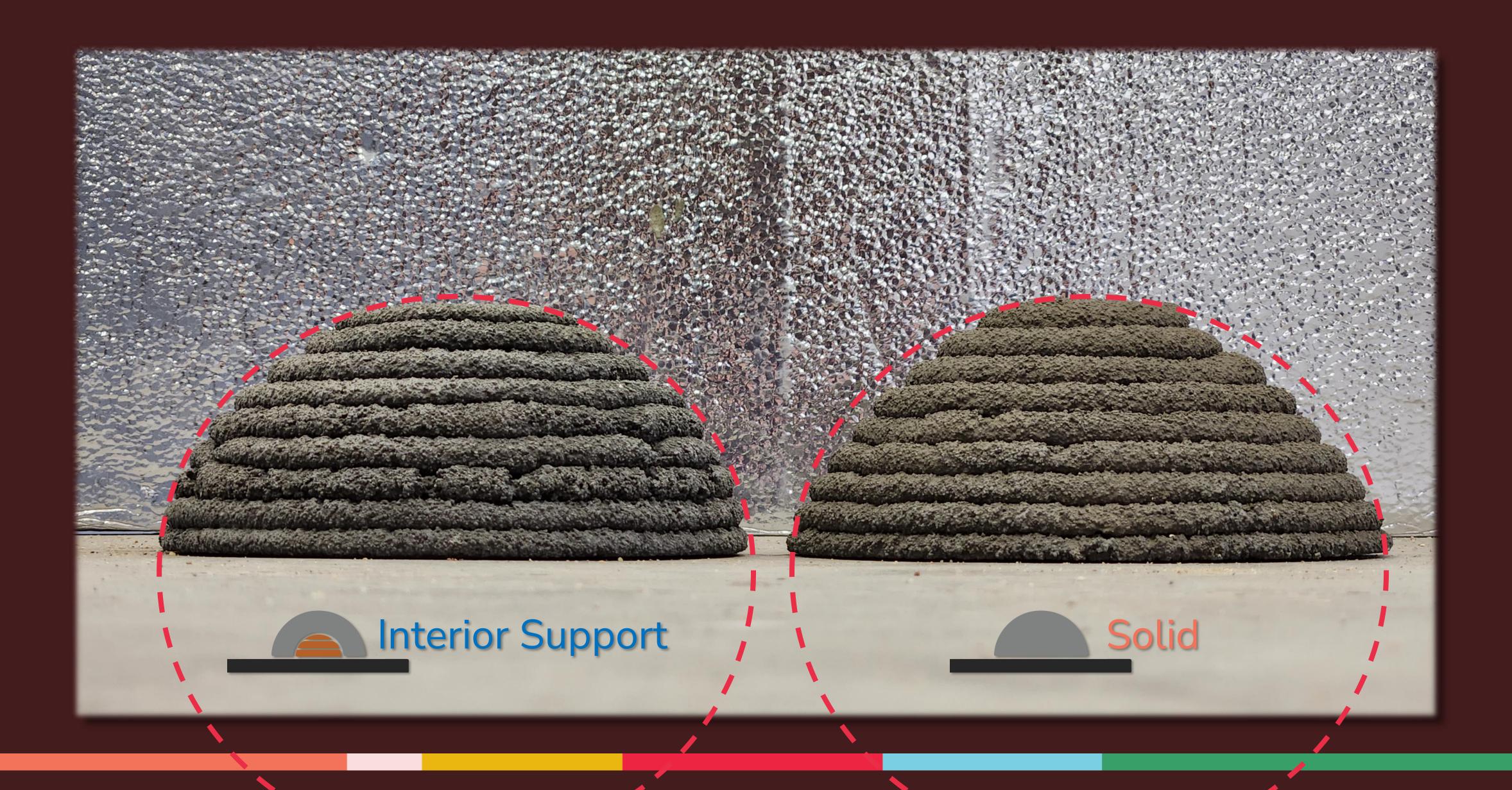
Print 3: W/C 0.38 and Increased Size





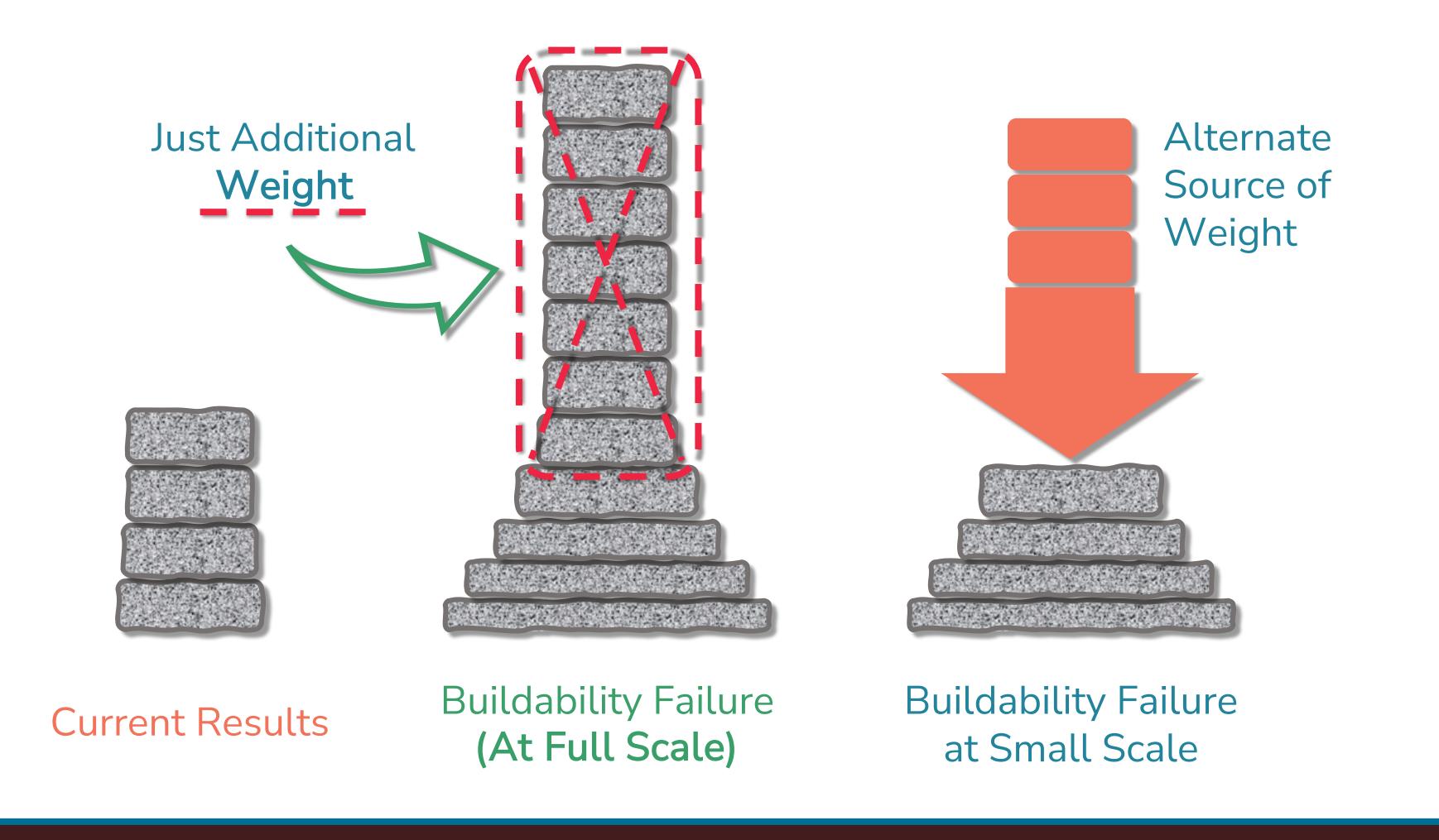
Print 3: W/C 0.38 and Increased Size



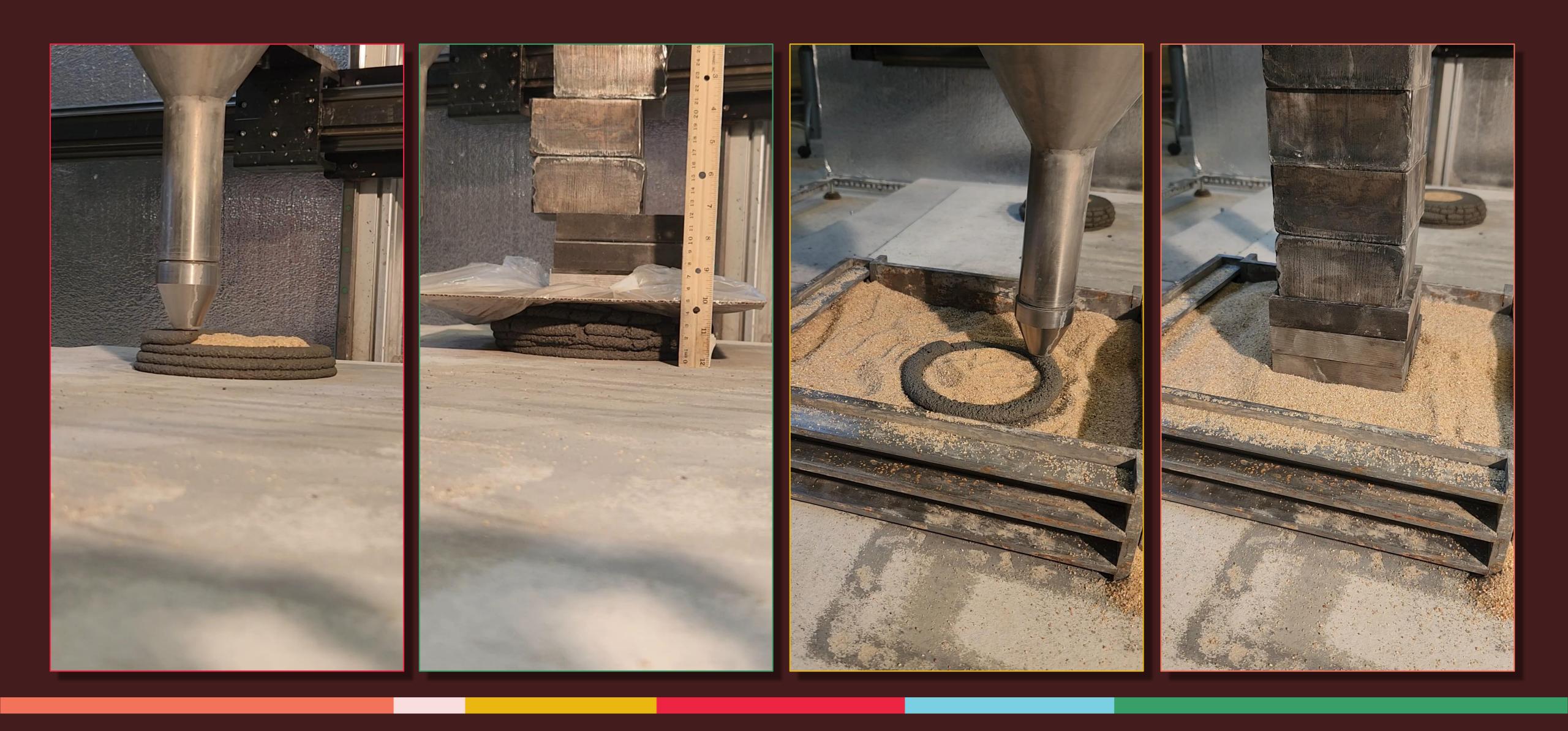


Print 3: W/C 0.38 and Increased Size



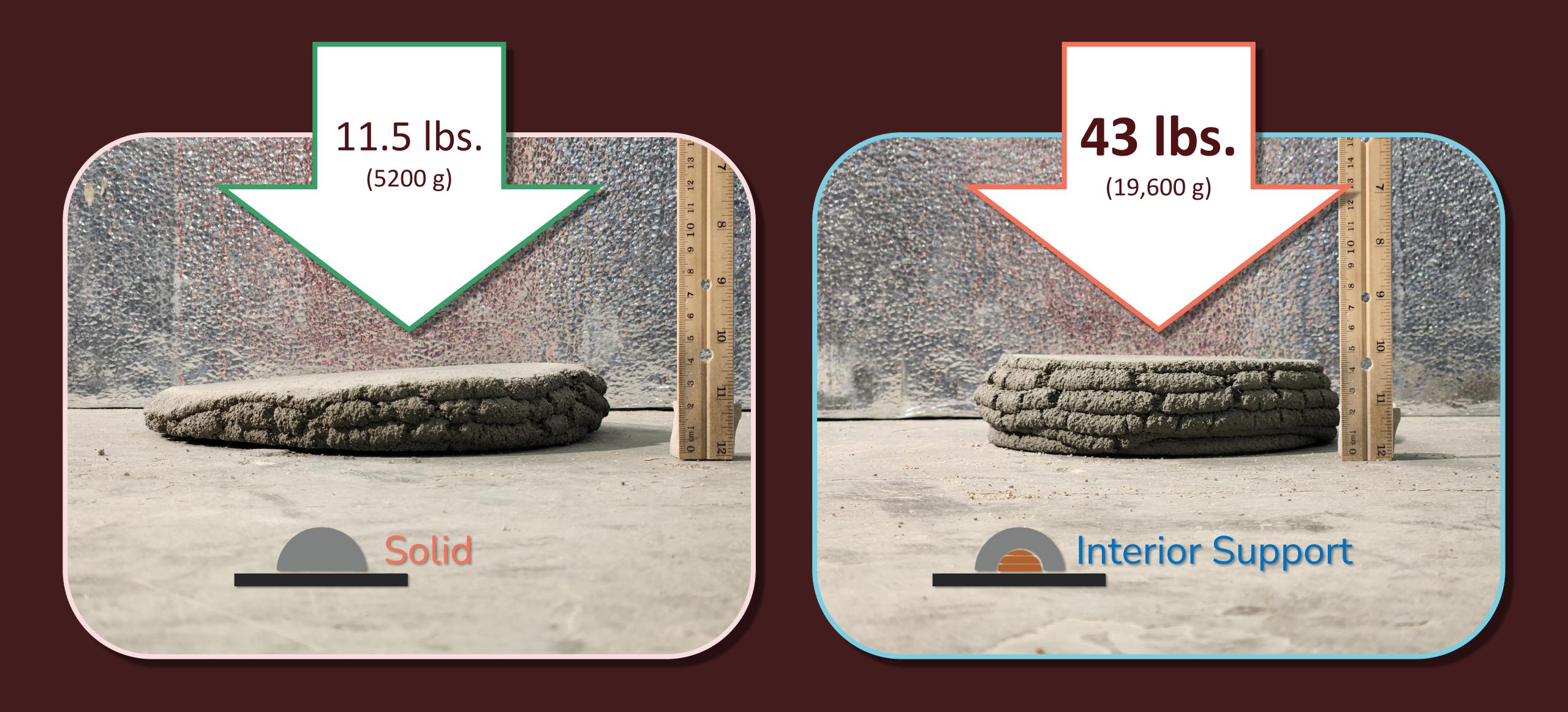






Print 4: W/C 0.38 With Weight Applied





Print 4: W/C 0.38 With Weight Applied





Print 4: W/C 0.38 With Weight Applied





Print 4: W/C 0.38 With Weight Applied





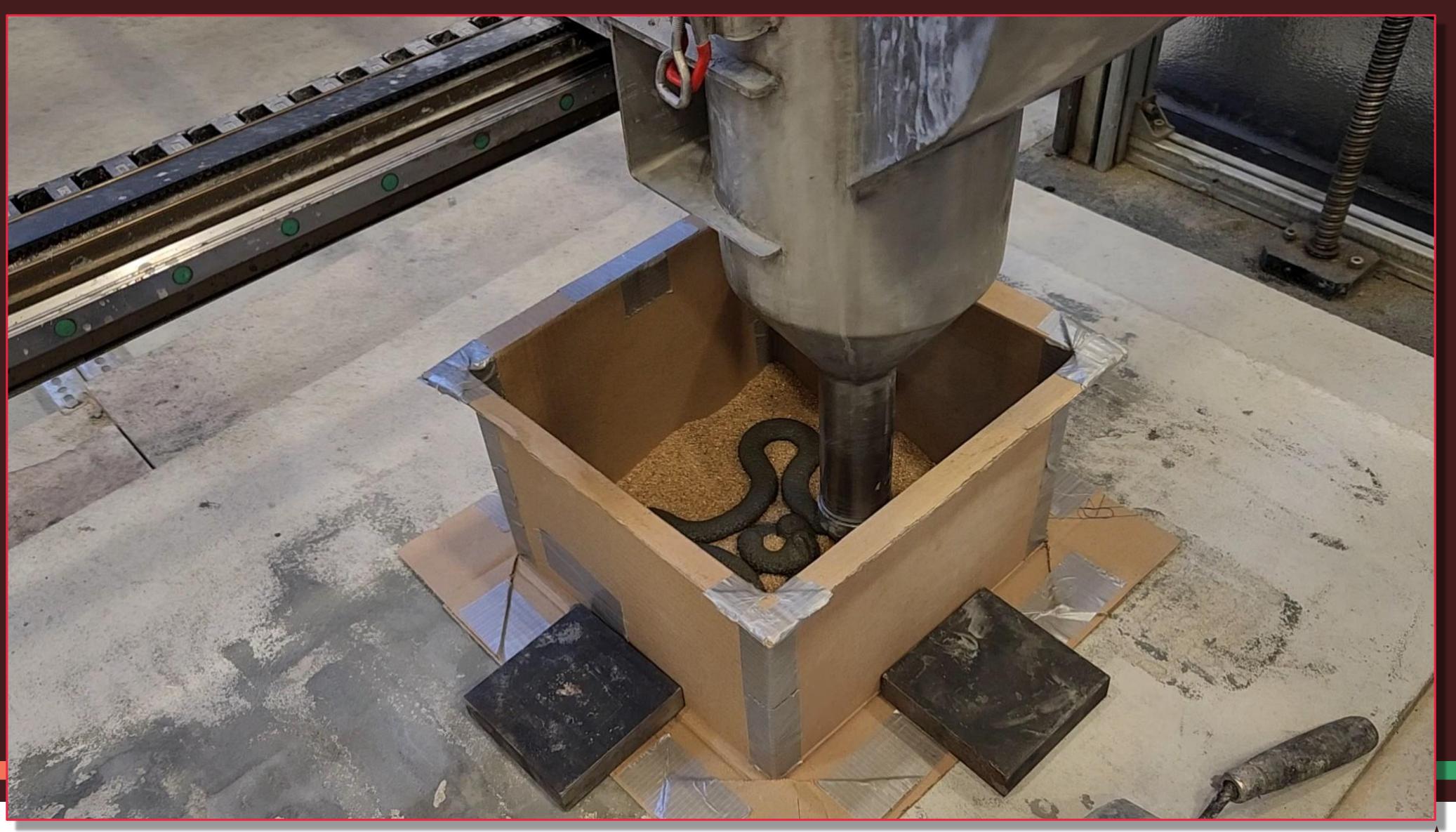












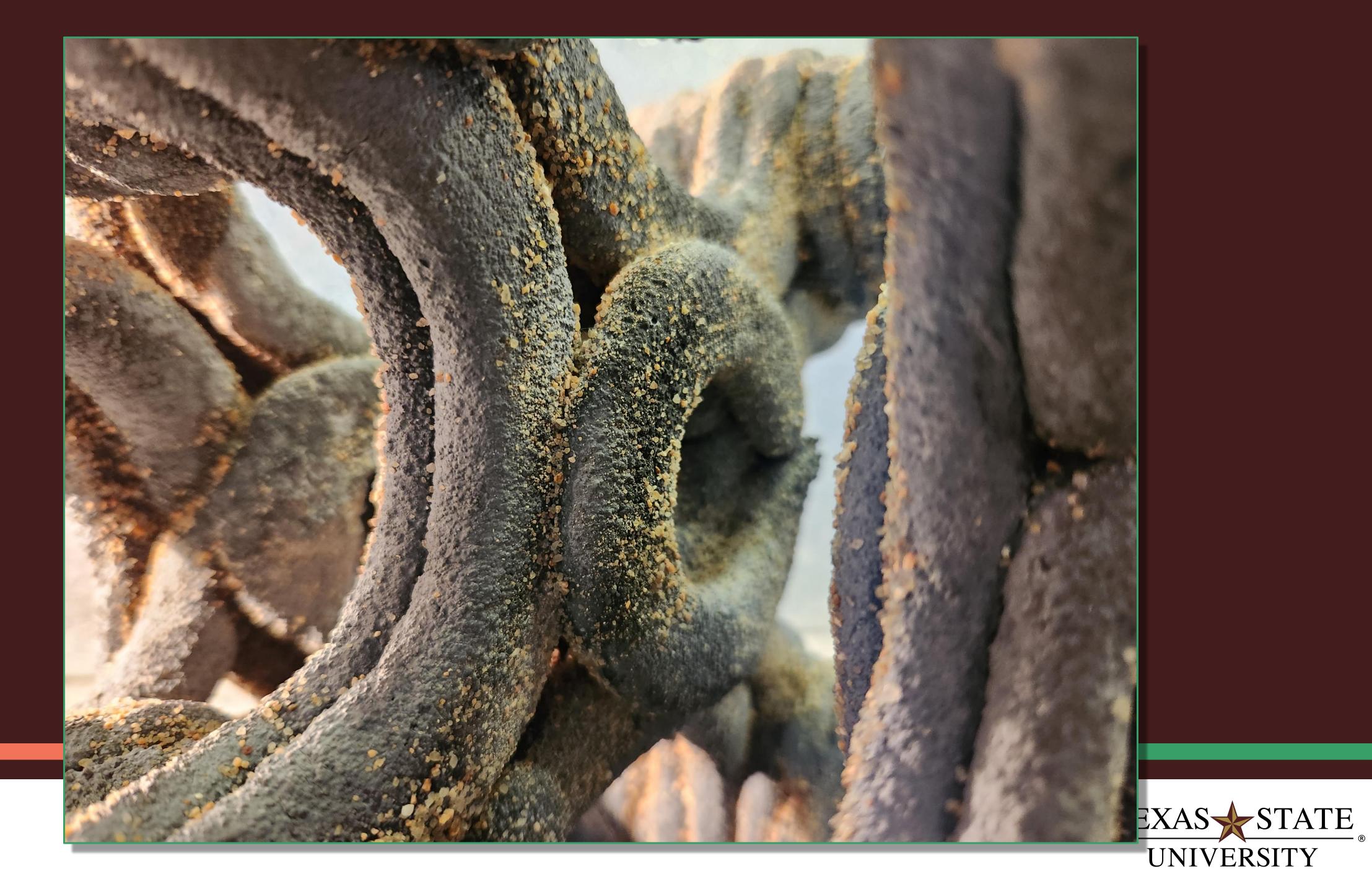


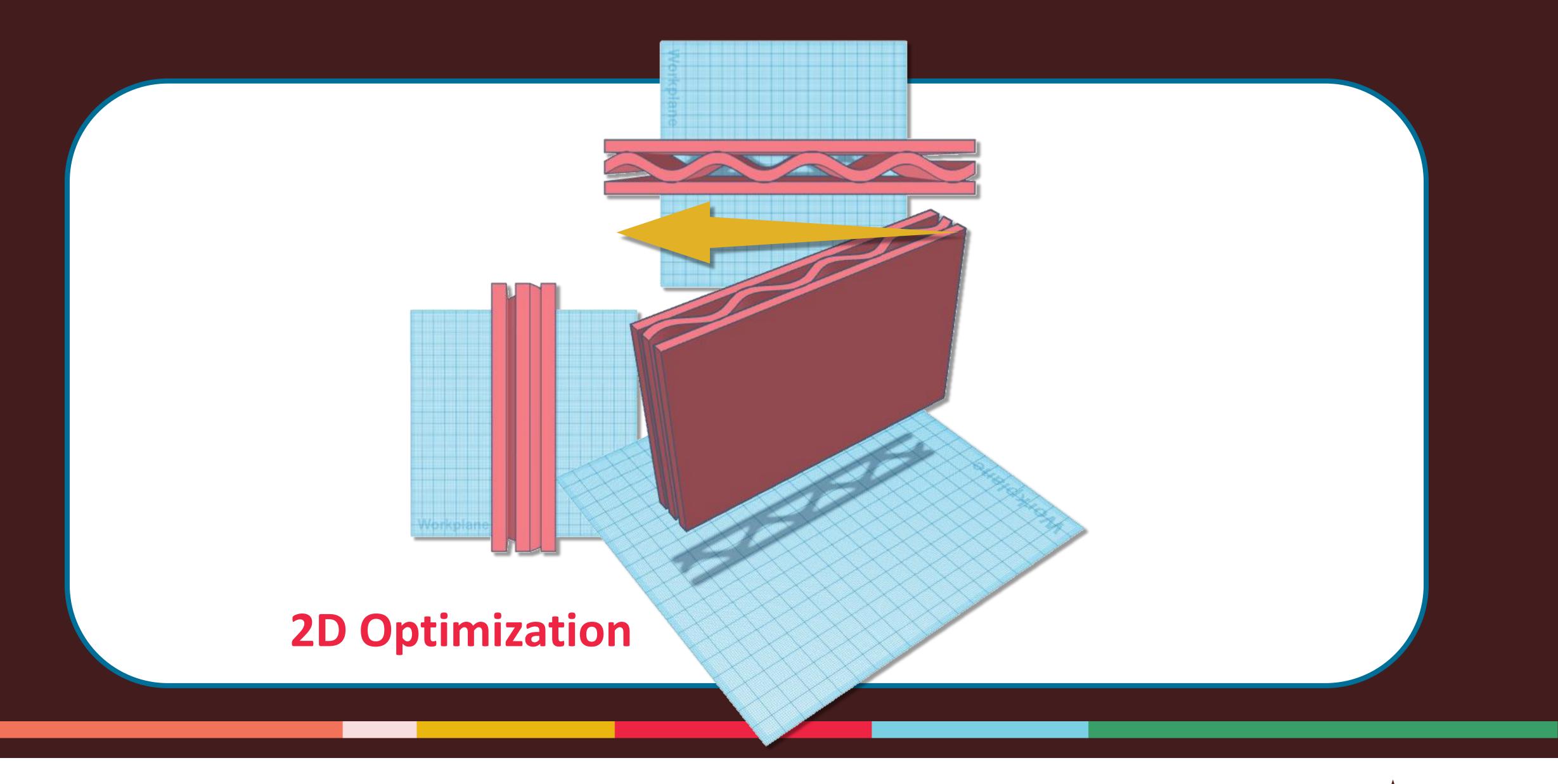




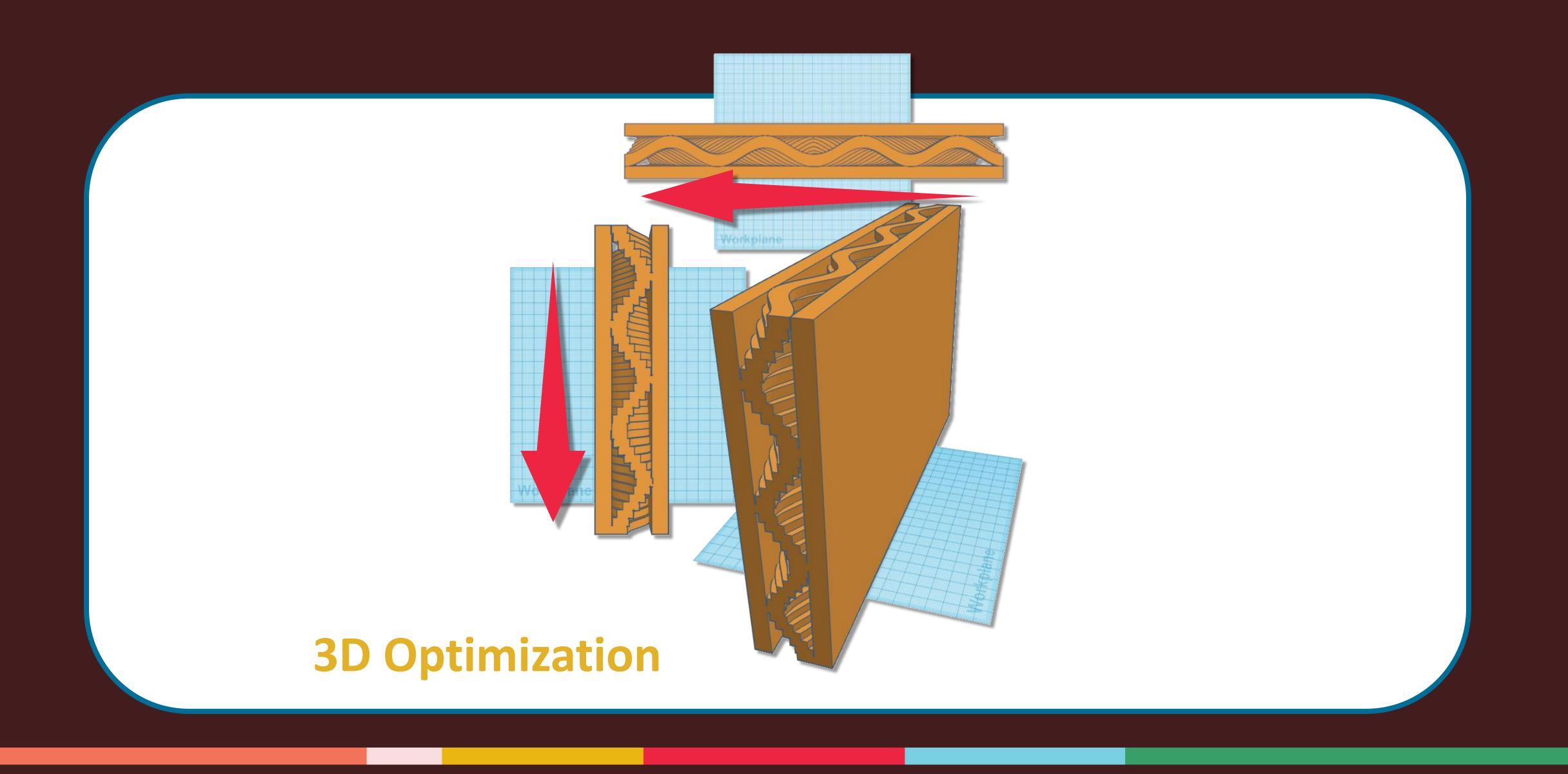
































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