

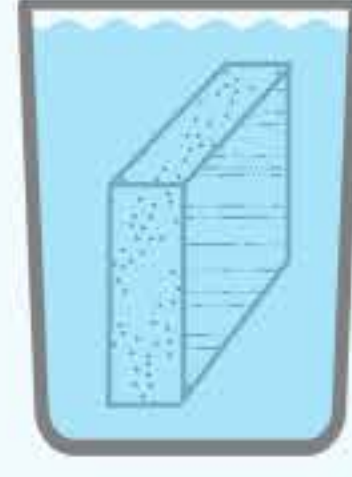
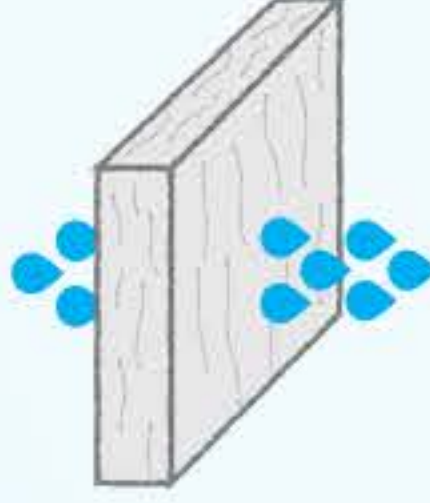
Exterior Wall Continuous Insulation

MINERAL WOOL VS POLYISO INSULATION

Mineral wool wall CI and polyiso use two different tests for water absorption despite similar applications.

MINERAL WOOL WALL CI USES A

WATER VAPOR TEST



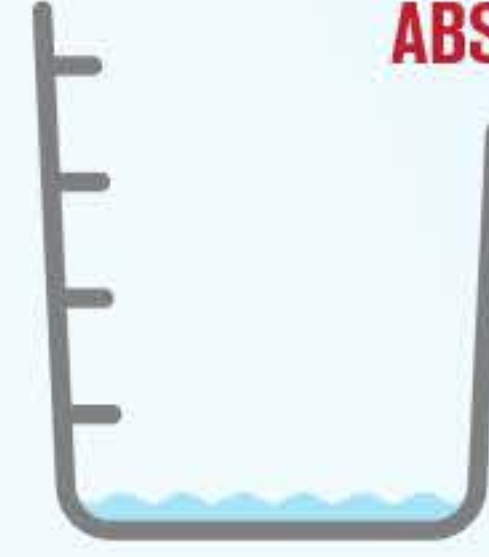
POLYISO USES A

FULL SUBMERSION TEST

When mineral wool wall CI and polyiso are both tested by full submersion, the results are clear.

MINERAL WOOL WALL CI

ABSORBS UP TO **78%**
by weight



POLYISO

ABSORBS LESS THAN **4%**
by weight

MINERAL WOOL WALL CI

TAKES **3-7**
DAYS TO DRY



POLYISO

DRYS WITHIN **24**
HOURS

When samples were submerged a second time after drying, the results were eye opening.



REWETTING MINERAL WOOL WALL CI INCREASED WATER ABSORPTION

130-190%



REWETTING POLYISO CAUSED

NO CHANGE
TO WATER ABSORPTION

REWETTING MINERAL WOOL WALL CI EXTENDED DRYING TIMES UP TO

4 DAYS



REWETTING POLYISO CAUSED

NO CHANGE
TO DRYING TIMES



IN RIGOROUS LAB TESTING

ENERGYSHIELD HARDLY ABSORBS ANY WATER, AND IT DOESN'T TAKE DAYS TO DRY.

SEE THE WHITE PAPER FOR MORE INFO.



*When compared using the same test standards (ASTM C209), the water resistive characteristics of polyiso and mineral wool wall CI can be more accurately compared. Standard testing for mineral wool (ASTM C1104) exposes tests specimens to water vapor.

Based on the white paper, *Mineral Wool and Polyisocyanurate Insulation: A Comparative Study of Water Absorption, Drying and Rewetting* by M. Steven Doggett, Ph.D, Principal Scientist, Built Environments, Inc.