Mud/Sand
Full plug, partial plug (emerged), rim. (Eumeninae-potter wasps, Osmia –mason bee)

Resin
Opaque, white, reddish or yellowish with debris or not. Crystalline, dry or sticky. (Dainthidium – resin bees, Passaloecus – black aphid wasps)
Chewed Leaves
Start green fade to brown, look like mud plugs (MEGACHILIDAE, leafcutter bees)

Whole Leaves
Leaf circles or ovals are used to line the stem, and ends. Sometimes petals are used.
Grass
(Grass carrying wasps)

Cotton, plant fiber fuzz
(Anthidium – wood carder bees)

Wood
(Dainthidium – resin bees)

Loose Debris
Boulder

Photo: Bees’ Needs U of Colorado