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Hygrothermal properties of clayey plasters with olive fibers

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FIGURE CAPTION

Figure 1: Granulometric analysis of clay.

Figure 2: SEM microphotograph of clay at Mag=4.99 Kx and Mag=20.11 Kx.

Figure 3: SEM microphotograph of clayey olive plaster at Mag=5.03 Kx and Mag=20.04 Kx.

Figure 4: Elemental composition of clay.

Figure 5: Elemental composition of clay-plaster.

Figure 6: Leaves and branches of olive

Figure 7: SEM microphotograph of a olive leaf at Mag=200 X.

Figure 8: Prismatic and cylindrical samples prepared in triplicate.

Figure 9: Thermal conductivity versus density.

Figure 10: Thermal conductivity versus dry density for clayey plasters.

Figure 11: Density versus fiber content.

Figure 12: Kinetic of mass of one specimen of clay plaster during the wet-cup test.

Figure 13: Water vapour diffusion resistance factor versus dry density for bio-based plasters

Figure 14: Sorption curves of different earthen plasters.

Figure 15: w_{80} value of different mixtures.

Figure 16: Slope of the adsorption curves at 80 % RH.

