

Diathonite Thermactive.037

Pre-mixed and eco-friendly natural lightweight mortar of the *Exterior Insulation Finishing System – EIFS* (such as **Diathonite Thermactive.037**), for thermal insulation and dehumidification. Formulated with granulated recycled cork (grain size 0 - 3 mm / 0 - 0.12 in), expanded amorphous silica, perlite and pumice combined in a balanced particle size distribution curve, with antibacterial properties. Prevents the formation of moulds and condensation, ensuring a healthy environment and high living comfort. Suitable for application on special rails, flat or curved, vertical and horizontal surfaces. Pre-mixed product packaged in bags, which benefits from double CE marking (EN 998-1, EN 998-2) and contributes to LEED[®] credits. Minimum required characteristics: Thermal Conductivity (λ) 0,037 W/mK; Specific heat capacity (c) 1000J/kgK = 0.239kcal/kg°C; Thermal diffusivity (a) 0.148×10^{-6} m²/s; Vapour permeability Coefficient $\mu=3$; Water absorption by Capillarity 1.00 kg/m²min^{0,5}; Compressive strength 2.8 N/mm² | 406.1 lbf/in² (psi); Flexural strength 1.0 N/mm² | 145.0 lbf/in² (psi); Dried mortar porosity 71%; Total pores volume 1372 mm³/g; Reaction to fire – Class A1.

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