

Small rock sampling by hot-melt type fast curing adhesive

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In general, adhesive is the chosen material by a relation between glue and surface peeling of outcrops. Various adhesive are in the market, and the choices are increasing. In these adhesive, a specific adhesive can bring new work to surface peel of outcrop. Because of, surface peel of outcrop need to spend certain degree of time, fast curing adhesive expected to something new performance. In this study, hot melt adhesive (HMA) was chosen as fast curing adhesive. HMA is usually stick shape and uses applicator called glue-gun. HMA could not apply large area peeling of outcrop. Therefore, the small area got easily (11 mm of diameter of HMA stick heated by directly turbo type gas lighter, without applicator, presses on outcrop) was chosen. It seemed something like sampling (called HMA sampling) rather than surface peeling, but HMA performed strong adhesion force on a dried outcrop and teared off easily to until the Neogene sedimentary rock. It was also possible to stick HMA samples on a text easily. HMA sampling has many advantages especially in the educational field and is expected becoming the 3rd sampling in lieu of the sickle and the hammer

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