## **Supporting Information**

Deterministic control of adhesive crack propagation through jamming based switchable adhesives

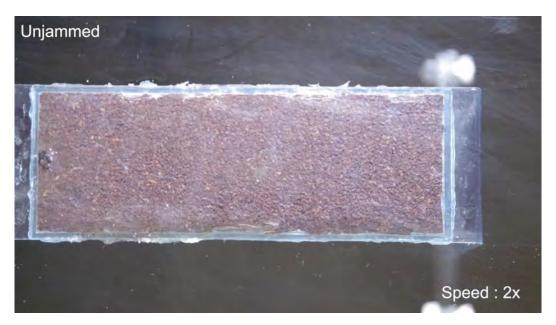
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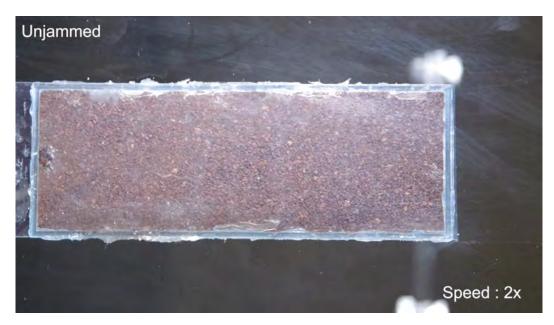
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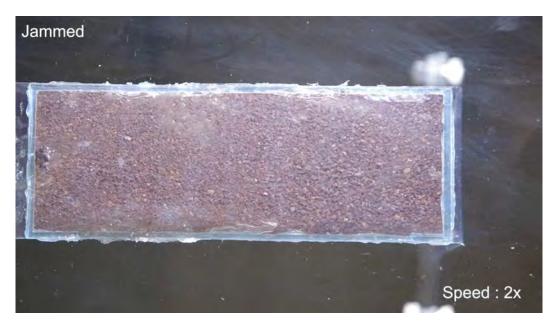
Movie S1: Jamming based crack and adhesion control.



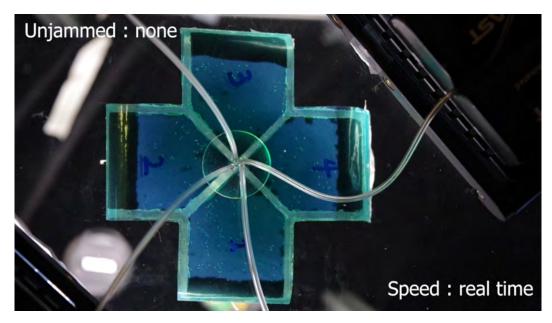
Movie S2: Programmed crack control in a single direction: the on-and-ff state is switched at every 2s.



Movie S3: Programmed crack control in a single direction: the on-and-ff state is switched at every 5s.



Movie S4: Programmed crack control in a single direction: the on-and-ff state is switched arbitrarily.



Movie S5: Programmed crack control of four jamming layers in multiple directions.