BESE
ECOSYSTEM RESTORATION PRODUCTS

BESE-reef paste

Enhances shellfish recruitment rates

COMPOSITION	80% grinded shell 20% biobased binding additives
BIODEGRADABILITY	Degredation time depends on thickness of the paste
CURING PERIOD	Thin coating 1 or 2 days, thicker applications (>1 cm) approx. 5 days

Disc of BESE-reef paste in the Dutch North Sea. After one month flat oyster spat (Ostera edulis) colonized the structure

Function

BESE-reef paste enhances shellfish recruitment rates as various shellfish species prefer to settle on other shells, which consist mainly of calcium carbonate. Once oysters or other shellfish have colonized the structure, reef paste starts to disintegrate (1-5 year), leaving only the natural system behind.

Reef paste replaces natural shell material, which can be beneficial in areas:

- where the amount of shell available is limited.
- too dynamic to place loose shells on the sea floor (high chance of burial or too much movement).
- where artificial reefs are used for restoration purposes.

Material

- BESE-reef paste consists of 80% grinded shell and 20% biobased binding additives. BESE-reef paste can be made with any type of shell hash.
- BESE-reef paste slowly disintegrates in water and lasts 1-5 years, depending on local conditions and thickness of the applied paste.
- BESE-reef paste can be applied on any type of hard surface (stones / wood), where it functions as a temporary coating.

Reefs made from BESE-reef paste ready for the field

About us

- Founded in 2018, our company now sells products worldwide.
- Restoration application for oyster reefs, salt marshes, mangroves, dune-, riparian-, and SAV vegetation, fish and coral reef habitat.
- Other applications include river bank side protection, erosion prevention and natural filtering.
- Continuous product enhancement.
- Personal contact with experienced staff for tailored solutions.

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