

off the fence.

Miracle Materials

3 x 60'

EPISODIC BREAKDOWN

1. From Concrete to Clay

Episode 1 shows how building with concrete could become more climate-friendly in the future, for example with textile reinforcement instead of steel. An important model for the concrete of the future could lie in the past: in Roman concrete. But there is another way: clay has a favourable indoor climate, but above all its production is much more environmentally friendly than building with concrete. In Italy, clay buildings are already being built using 3D printers.

2. From Wood to Bamboo

Episode 2 is about renewable building materials. Skyscrapers have long been made of wood. Researchers are working on producing transparent wood. Bamboo grows many times faster than wood. Even today, daring architects are showing what is possible with bamboo. And for the future, we should get used to the idea of living in houses made of fungi.

3. Living Bridges And Fiber Constructions

Episode 3 shows new ways of building, in which nature not only provides building material, but becomes a designer itself - or even part of architecture. The film shows how building with fibres enables constructions that make do with a minimum of resources. Living trees as load-bearing components of buildings: such hybrid constructions could provide vital cooling in the increasingly hot metropolises of the future.