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# The Boxfish Could Lead To Better Body Armor And Flexible Electronics

Discussion in '[H]ardOCP Front Page News' started by Megalith, Aug 1, 2015.

Aug 1, 2015

#1

**Megalith**  
24-bit/48kHz  
Staff Member

Messages: 11,935  
Joined: Aug 20, 2006

Boxfish are insanely cool marine fish that are not only eye catching but have unique defensive capabilities, such as poison secretion through the skin and armor-like scales. Researchers believe that replicating the complex structure of the latter could lead to **flexible yet very strong materials** for armor, robots, and even electronics.

*The boxfish's hard frame and flexible body make it an ideal animal to study for inspiration for armor materials. The hexagon-shaped scales are called scutes. They are connected by sutures, similar to the connections in a baby's skull, which grow and fuse together as the baby grows.*

#1

Aug 1, 2015

#2

**460cidpower**  
[H]Lite

Yet another prime example of how this world and everything in it just happened by chance....

Messages: 109  
Joined: Jul 8, 2004

#2

Aug 1, 2015

#3

**prime2515102**  
[H]ard|Gawd

Robots... Sure... put armor on the robots so we can't defend ourselves.

Messages: 1,402  
Joined: Mar 3, 2003

#3

Aug 1, 2015

#4

**sfsuphysics**  
I don't get it

Those are the coolest looking fish ever, if there ever was a fish that you could imagine make the Jetson's car "woob woob" sound while swimming they would have it

Messages: 12,641  
Joined: Jan 14, 2007

#4

Aug 2, 2015

#5

**sleepeg3**  
[H]ardness Supreme

Video of cool critter: <https://www.youtube.com/watch?v=MJb26P3Nbyk>

Pivots around like it's in space.

Messages: 4,711  
Joined: Mar 4, 2004

#5



