PRODUCT DEVELOPMENTS

August 2019

Disclaimer

Change Climate

- Commercial-in-confidence
- The Presentation contains general background information about the Company and its activities current as at the date of this presentation. The information in this Presentation is in summary form only.
- The presentation is confidential in nature and not for wider circulation. It is solely intended to provide an overview to the Change Climates product innovations and not in any means associated with current Change Climate Pitch Deck's or investment offers.
- This Presentation is only intended to be presented in person by Mr. Sean Steed or a professional representing Change Climate under written approval from Change Climate Pty Ltd.

Change Climate – Who we are

Change Climate

- Change Climate Pty Ltd specialises in the commercialisation of dynamic environmental product innovations with the disruptive capability to alter existing practices & markets across the globe.
- Change Climate's mandate is to achieve a Circular Economy. A nett-posative gain; to introduce new clean products to the world and in the process reduce global demand for old technologies and their associated negative environmental impacts.
- Our Roots
  - Change Climate was spurn from COOE Pty Ltd, a successful South Australian based environmental consultancy with over 25 years experience servicing sectors including Mining & Resources, Energy, Government and NGO's.
  - COOE has become a leading "go to" to fix difficult problems on behalf of our clients, in doing so COOE came to specialise in R&D and facilitate complex programs in collaboration with, and in assisting in the management & delivery of programs incorporating Academia and Universities.
  - COOE is a Licensed Research Service Provider (RSP 95728) with the Australian Taxation Office (ATO).
  - COOE is triple ISO certified to JAS-ANZ Standards.

Cooe
Care Of Our Environment

ECAAS SAFETY MANAGEMENT AS/NZS 4801 CERTIFIED

ECAAS QUALITY MANAGEMENT ISO 9001 CERTIFIED

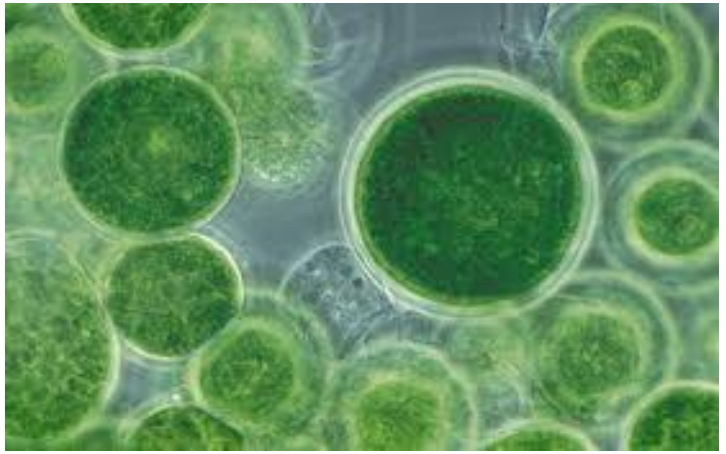
ECAAS ENVIRO MANAGEMENT ISO 14001 CERTIFIED

JAS-ANZ

  - COOE & Change Climate's Directors are Mr. Sean Steed and Mr. Joe Mifsud. Professionally we compliment each other perfectly; ethically we a staunchly aligned to honor our word, our commitments, our handshakes and our contracts. We are fully transparent and proud of it, we are not driven by revenue; we are passionate about our great collaborative ideas & ideals and our endeavor's to do everything we can with our collective skills to save our planet.
  - Change Climate was created as a new entity to release our products to sales and distribution channels and grow our innovative product range

Development solutions for bio fuel

Change Climate



Our clients wanted:

- A cheap source of fuel in remote areas. So we found ways of converting algae or accessible vegetable oil into bio-diesel.
- Next they wanted a solution to treat waste generated in making biodiesel.
- CC developed and patented an epoxy resin system that uses the biodiesel waste product to replace the potentially toxic and environmentally nasty phenols.
- We call this new epoxy resin - **Bio-Epoxy Resin** - because it is made from renewable and safe vegetable oils

Epoxy

Epoxy resins are a class of reactive polymers which contain epoxide groups. Epoxy resins are petroleum based & work as a 2-part solution. They may be reacted with a wide range of co-reactants including polyfunctional amines, acids, phenols & alcohols. These co-reactants are often referred to as hardeners.

Epoxy has a wide range of applications, including:

- Coatings
- use in electronics/electrical components/LEDs
- high tension fiber-reinforced plastic materials
- structural adhesives.
- Surf leisure sports
- Visual arts

Epoxy use is a main source of occupational asthma among users of plastics. Bisphenol A (BPA's), which is used to manufacture a common class of epoxy resins, is a known endocrine disruptor.

Epoxides are a well known carcinogen… and they stink.

Change Climate

Change Climate Bio-Epoxy (CCBE)

Change Climate

- The conversion of vegetable oil to biodiesel generates approximately 15% waste mostly in the form of refined glycerol.
- CC has patented a superior product with significant environmental benefits to use waste glycerol to make the Change Climate Bio-Epoxy or CCBE for short.
- Patented and released to the market, CCBE has:
  - Low VOC (is odorless and contains no solvents)
  - BPA free (contains no bis-phenols)
  - UV stable (clear application does not yellow)
  - Extremely hard (54 MPA tensile),
  - 78 MPA - 98 MPA w/filler (compression)
  - Utilizes waste glycerol
  - 100% renewable source
  - Will qualify for Green Star building accreditation (GECA)

Circular Economy

Change Climate

Sustainable vegetable oil or Tallow feeds into Bio-Diesel Plant

Refined Bio-Diesel
Waste Glycerol & Organic Fibre

Final Product, Premium Bio-Diesel

Change Climate
Bio-Refinery Product Manufacture

Bio-Refinery uses patented Bio-Epoxy resin Process

Change Climate
Co-locate at Bio-Diesel plant
Manufacture Bio-epoxy & Bio-composite products

Manufacture Bio-epoxy & use waste Organic Fiber

New Zero Waste Industry

Change Climate
High value sustainable green products
Bio-Epoxy & Bio-Composite
Existing global markets

CCBE/CCBC – Applications

Upcycled coconut fibre construction brick

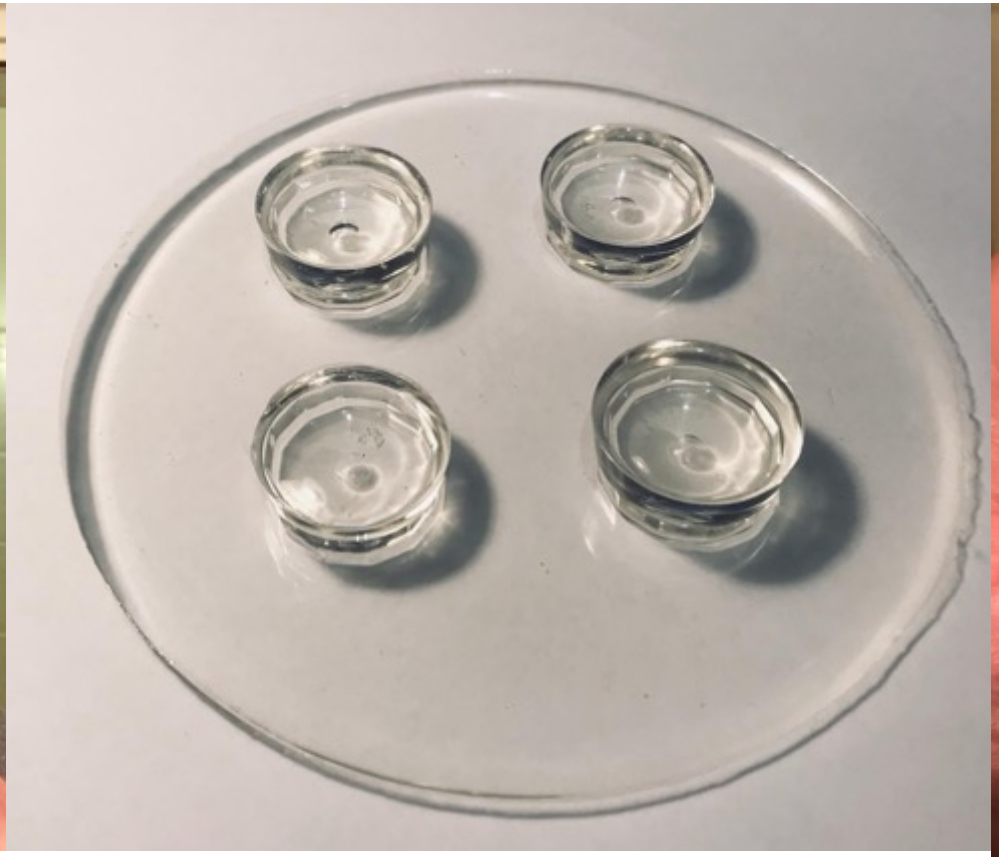
Change
Climate
KOEPCHEN
68
HISTORIC RALLYE

Change Climate

Subnet

CCBE – Clarity

Change Climate



Bio-Epoxy - Surf

- Trials underway with major brands including the worlds premier eco board producer (confidential)
- Terrific feedback – great to ride
- Hard and very fast
- Holding up well with extended surf use
- Non-carcinogenic eliminates serious health risk to board shapers

CCBE Surf Sports

Change Climate

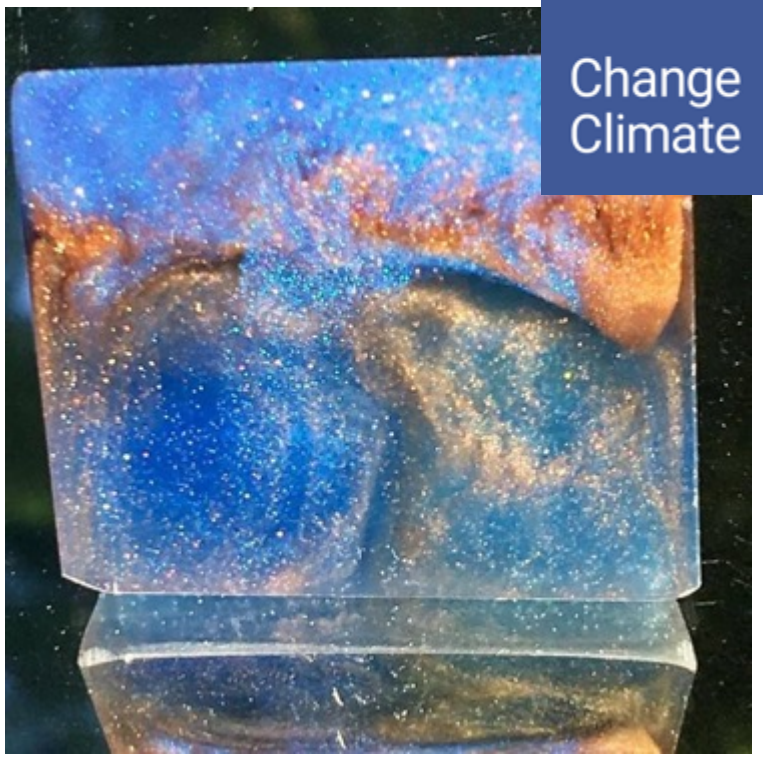
CCBE Surf Sports

Change Climate

Surf

Change Climate

Surf

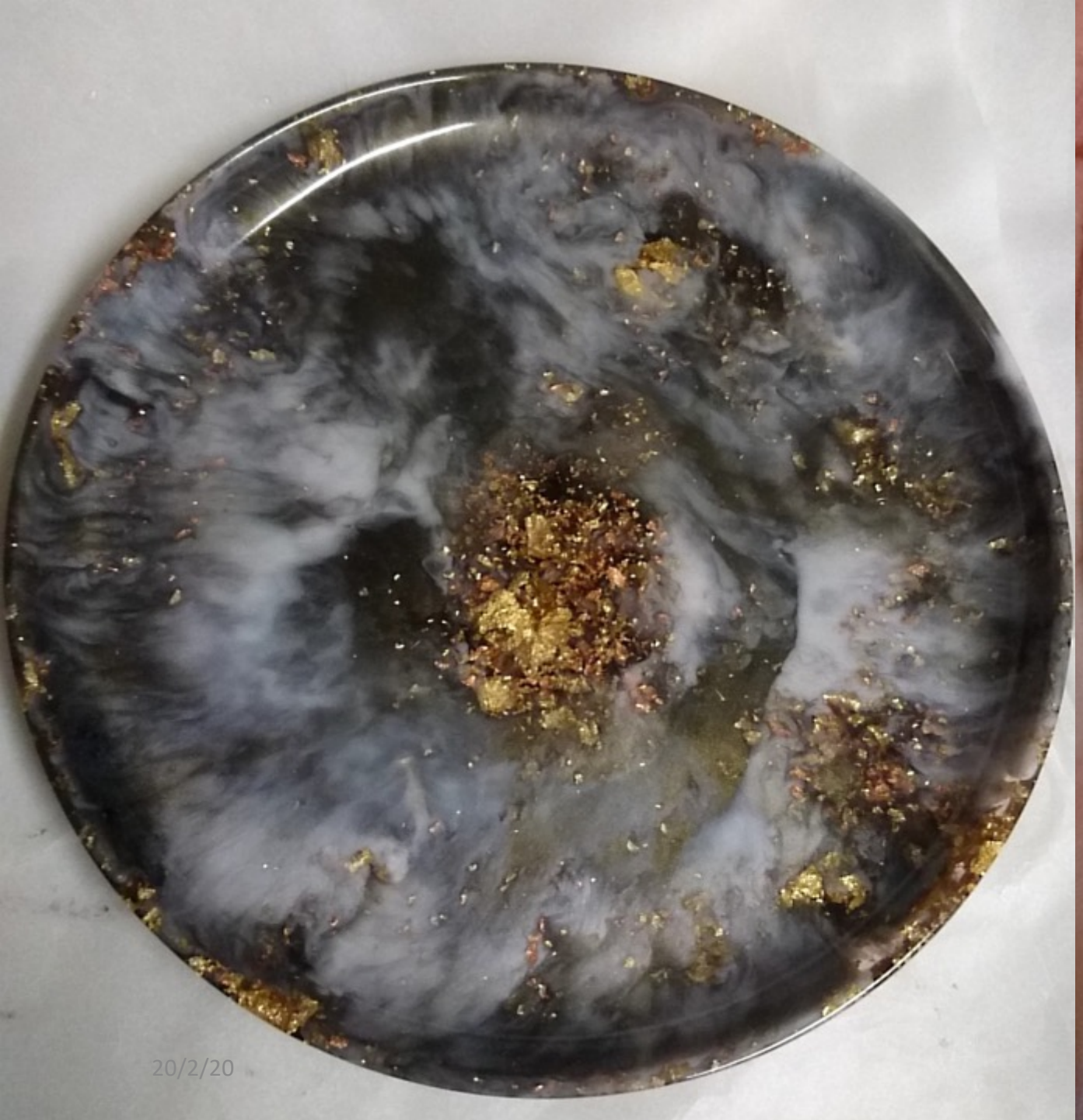


Change Climate

Resin Art - Molds

Resin Art

Change Climate



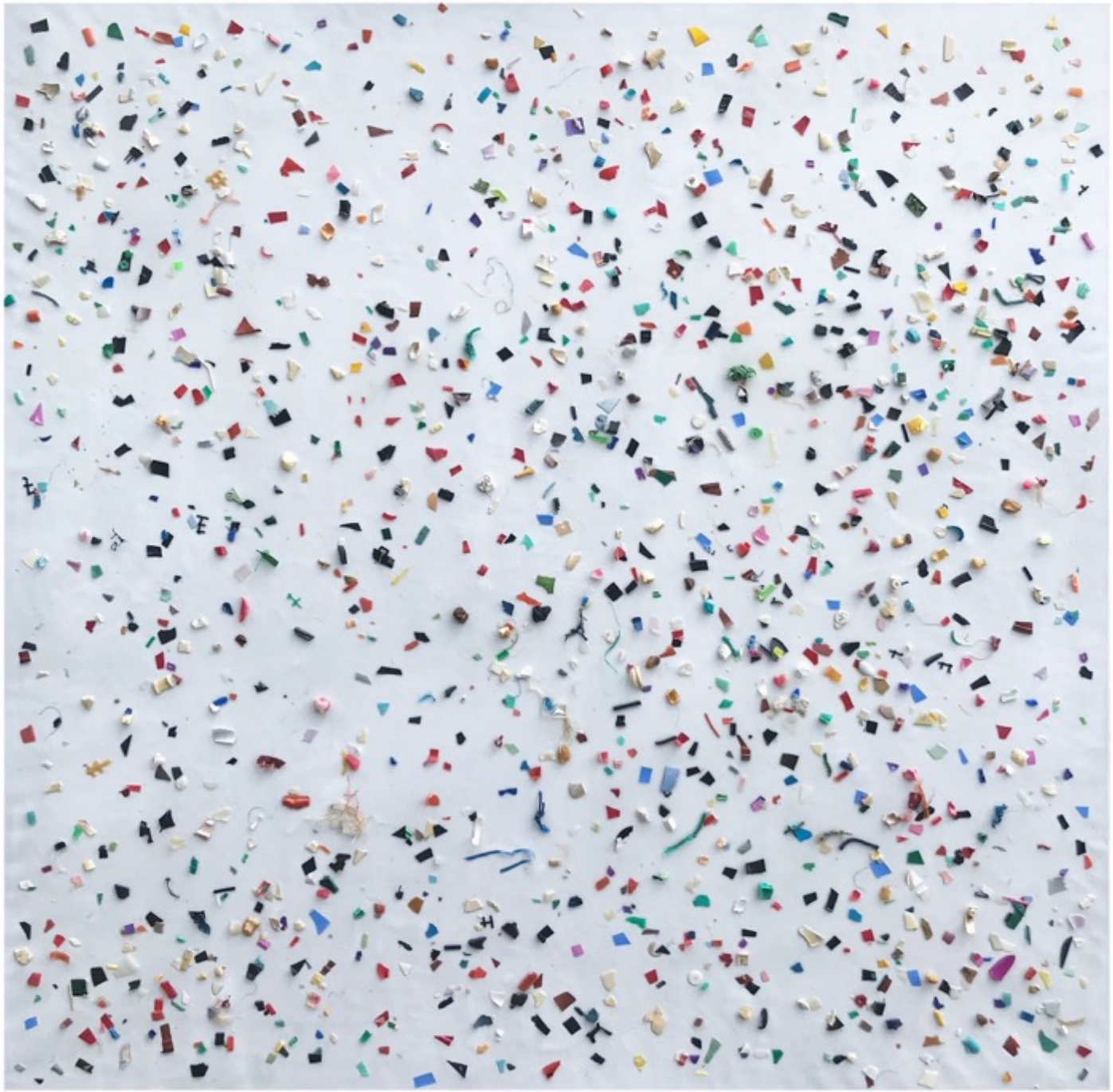
Change
Climate

Change Climate

Change Climate

Artist: John Dahlsen
Title: Pacific Garbage Patch #6
Materials: Found plastics, resin(sustainable plant based), ink, Belgian linen
Size: 183cm x 183cm
Date: 2018

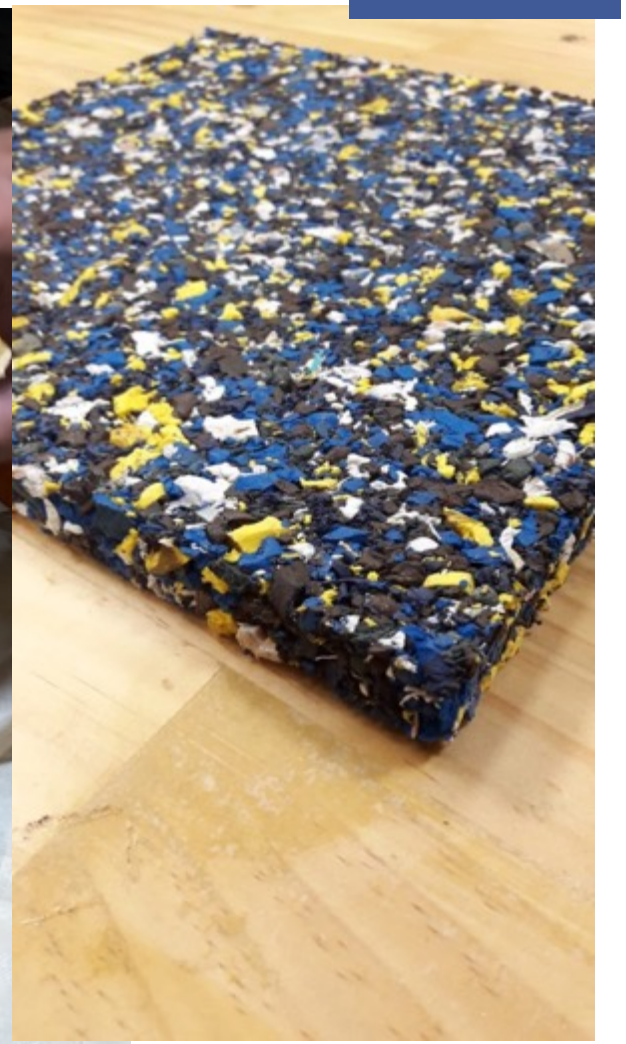
Change Climate



Artist: John Dahlsen
Title: Beach Detail 4
Materials: Found plastics, resin(sustainable plant based), ink, Belgian linen
Size: 183cm x 183cm
Date: 2018

CCBE/CCBC – Rubber Composites

Change Climate



CCBC – Used Coffee Grounds

Change Climate

CCBC – Used Coffee Grounds

Change Climate

CCBC Scooter helmets

- Helmets produced with waste Bamboo fibre + 5% by weight CCBE
- Concept is to produce these incredibly cheap (Jetstar proposal)
- With the sale of each Change Climate product provide at least one helmet to the children of Indonesia.
- Give every family in Indonesia to provide helmets for children who otherwise cannot afford to purchase one.

Bamboo Construction Project

Change Climate

Building project - CC is building a stand-alone bamboo kitchen of 150M^2 of total floor space at the new BambooU campus in Ubud, Bali.

The dwelling will incorporate Change Climate innovations to make the first example of modern bamboo architecture (that can be built at a large scale) to contain no toxic products (e.g. petroleum epoxies, phenol glues, concrete/cement).

- Foundation in CCBE Bio-aggregate
- Mud floor – coated with CCBE (acoustics)
- CCBE shaped laminate interior features (replacement of traditional epoxies)
- CCBC insulation
    - Sound, acoustics for wet areas
    - Visual internal feature wall
- CCBC bricks
- CCBC posts W/Ibuku, load bearing capacity with opportunity to change architectural building limitations
- CCBE roof-coating and sealant to increase the lifespan and cost of resurfacing (Waterproof membranes). With significant savings from lost revenue from closure during maintenance.

Bamboo Construction Project

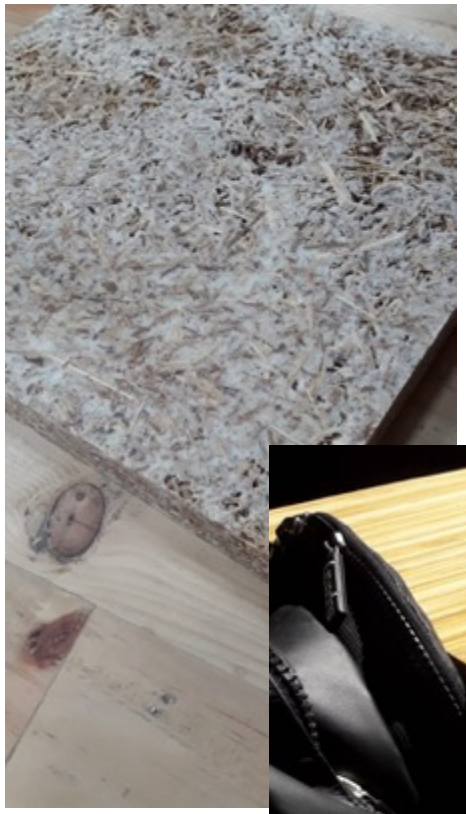
CCBC – Bamboo Construction Project

Change Climate

Bio-Composites (CCBC)

CCBC – Alternative Composites

Change Climate



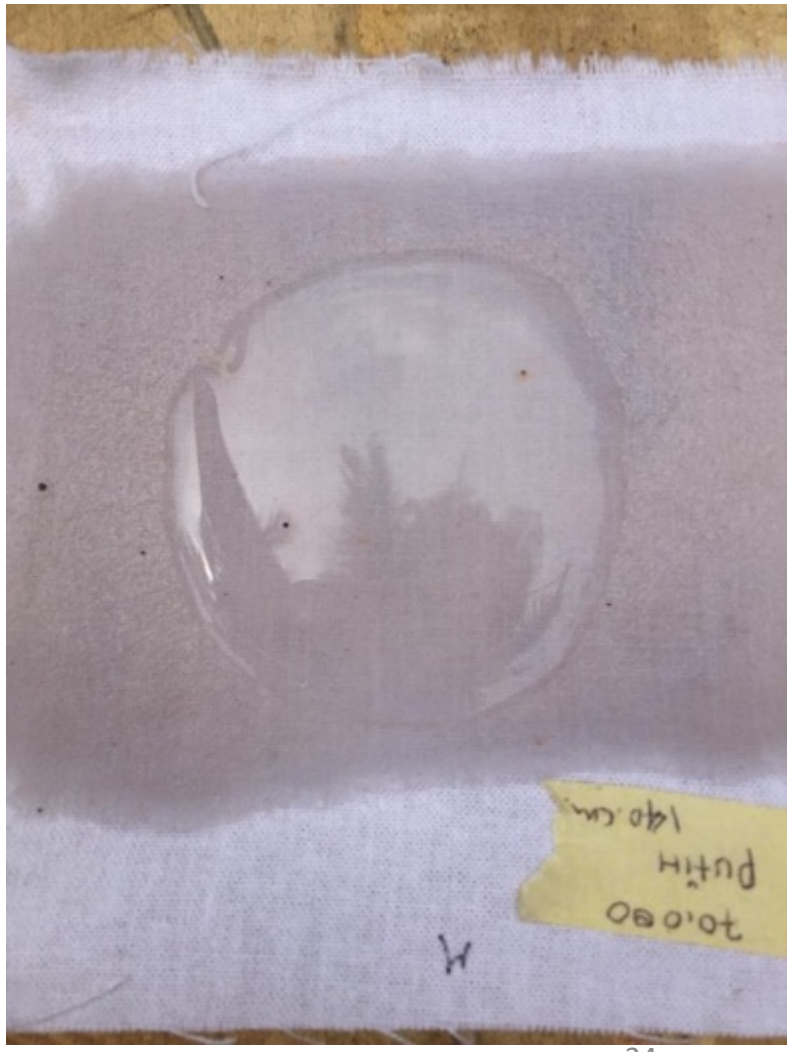
Change
Climate

CCBC – Bamboo Laminates

Change Climate

CCBE – Waterproof Membranes

Change Climate



CCBE – Waterproof Membranes

Change Climate

CCBE – Waterproof Membranes

Change Climate

CCBE – Bamboo Splits

Change Climate

CCBE Porous Aggregates

Change Climate

CCBE Porous Aggregates

CCBE Porous Aggregates

Change Climate

CCBE Concrete Alternative

- Tested to Australian Standard AS1012, which meets international standards
- Satisfies all criteria as a concrete Aggregate
- Tested to 98 Mpa compression strength, 54 Mpa tensile
- 3-4 times harder than cement

Change Climate

CCBC – Bamboo Foundations

Change Climate

CCBC – Bamboo Foundations

Change Climate

Thanks

- Change Climate seeks the investment of significant shareholders.
  - JV partners with infrastructure welcome

Investment enquires are to be directed to:

Mr. Sean Steed
Co-Founder and CEO
Change Climate Pty Ltd
www.changeclimate.com.au
sean@changeclimate.com.au
Australia +61 0417 778 020
WhatsApp +61 417 778 020