

EARTH COLORS

BY ARCHROMA

DYE
COTTON
WITH
COTTON



FARM TO FASHION

Cotton is a 100% natural cellulose fiber, unlike synthetics produced from petroleum and other man-made processes. After cotton is harvested and ginned, every part of the cotton plant is used - fiber, seed and byproduct. Worldwide, there are more than 3 million tons of plant byproduct per year including burs, stems, sticks, leaves and dirt. This byproduct is used in a range of applications including livestock feed, compost and erosion control products. Now, byproduct can also be used as a component in dyestuff for cotton textiles.

Archroma's EARTHCOLORS are a responsible solution to dyeing textiles with up to 100% petroleum-free and bioeliminable dyestuff created from agricultural byproducts. This collaborative project has resulted in a sulfur dye that uses nearly 100% of the cotton plant byproduct to create a biosynthetic dye without harmful chemical waste during processing.



A Responsible Process



Cotton



Plant byproduct



Finely ground
plant byproduct



Dye



Garment

Flexibility & Durability

EARTHCOLORS are suitable for woven and knit garments. They can be used to dye yarn and fabric by continuous processes or garments by exhaust. Because the dyes are sulfur based, they work well with other finishing processes such as laser, enzyme washing, ozone treatment or hand abrasion techniques.

Colorfastness, lightfastness and washfastness properties of EARTHCOLORS are comparable to traditional sulfur dyes.



For more information, please contact Archroma or your Cotton Incorporated executive account manager. <http://textiles.archroma.com/>



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