





#### AKZONOBEL LAUNCHES A BISPHENOL-FREE INTERNAL COATING FOR DRINKS CANS

AkzoNobel has developed Accelshield<sup>™</sup> 700, a "BPX-ni" internal coating for beverage cans that is based on a blend of polyesters and complies, according to the manufacturer, with Food and Drug Administration (FDA) and European Union regulations for food contact uses. The term "BPX-ni" (No Intentionally Bisphenols) used by AkzoNobel indicates that no bisphenols have been intentionally added to this product. However, this term also indicates that their presence may not be excluded: bisphenol could be present, for example, as an impurity in a reagent or via unintentional contamination.

According to AkzoNobel, this coating is compatible with very acidic liquids and/or those requiring hightemperature sterilisation processes ('yogurt-based' drinks, milk, etc.) as well as soft drinks and beer.

According to its developer, the performance of Accelshield<sup>™</sup> 700 is similar to that of epoxy coatings and its use requires minimal changes to existing manufacturing lines..

For more information: https://packagingcoatings.akzonobel.com/en/ beer-beverage-cans/can-ends https://www.akzonobel.com/en/media/latestnews---media-releases-/akzonobel-launchesbisphenol-free-internal-coating-for-beveragecan-ends

#### ASTRAD WB: ALKYLPHENOL ETHOXYLATES (APEO)-FREE AQUEOUS PIGMENT DISPERSIONS

Penn Color's new Astrad range includes Astrad WB, a series of aqueous pigment dispersions that do not contain APEO<sup>1</sup>.

According to Penn Color, the Astrad WB series offers a number of advantages:

- / high pigment loading
- / good color reproduction
- / broad compatibility with the products to be colored

Penn Color has formulated Astrad-WB for a wide range of applications: decorative paints, wood coatings, protective coatings, marine, automotive and aerospace coatings...

#### For more information: https://www.penncolor.com/astrad\_brochures\_ download/

https://www.penncolor.com/innovative-new-astraddispersion-range-delivers-higher-performance-andbroader-compatibility-for-architectural-industrialand-automotive-applications/

<sup>1</sup> Due to their low surface tension, APEOs act as dispersing agents and limit the agglomeration of pigment particles.

#### AN ALTERNATIVE TO PVC FOR COATED TEXTILES AND AGRICULTURAL FILMS

Renegate Plastics has developed phthalate- and PFAS-free polypropylene-coated fabrics to replace PVC films, PVC-coated fabrics and laminated fabrics containing PVC (and therefore potentially phthalates).

These products can be used for various applications such as tarpaulins, agricultural films (greenhouses and tunnels), industrial racking and packaging, play and gym mats, athletics mats, geomembranes<sup>2</sup>, curtain walls both inside and on farms, mattresses and soft furnishings, outdoor sports articles, camping tents and glamping such as yurts, etc.

The flame-retardant treatment used by Renegate Plastics is patented and contains no brominated or halogenated additives (including no TBBPA<sup>3)</sup>.

According to Renegate Plastics, their products offer a number of advantages, including

- / light weight
- resistance to UV rays, heat, stains and chemicals
- / waterproofing

/ Recycling within the reach of most plastic recyclers

For more information: Sustainable Alternative to PVC Fabrics | Renegade Plastics

<sup>2</sup> Geomembranes are synthetic textiles with a waterproofing function. They are generally used to prevent the loss of water through infiltration, or to prevent the migration of pollutants into the soil <sup>3</sup> Tetrabromobisphenol A

#### WATERPROOFING TECHNOLOGY INSPIRED BY THE LOTUS LEAF

Swedish company OrganoClick has developed the pfas-free OrganoTex textile waterproofing technology, which combines asymmetric organocatalysis<sup>4</sup> with the action of natural fatty acids.

This PFAS-free invention has given rise to two textile waterproofing products for consumers: Wash-In and Spray-On.

According to OrganoClick, these products have common properties:

- they restore or improve the water-repellent and dirt-repellent properties of textiles
- / they maintain the breathability, colour and structure of the material, because the impregnation does not form a film on the surface, but binds to the textile fibre
- / they withstand several washing cycles

The only difference is the way they are applied: Wash-in is incorporated into the garment during a washing cycle in a washing machine, and Spray-On is sprayed onto the textile. These products can be used on a wide range of polyester, polyamide, wool and cotton textiles: sportswear, rainwear, skiwear, softshells<sup>5</sup>, hiking pants, workpants, textile gloves, cushions and other outdoor textiles, etc.

Because of the way it is applied, Spray-On can also be used on items such as tents, backpacks, boat canopies, horse blankets, stroller fabrics, etc.

These products meet the criteria of the Oeko-Tex Eco Passport<sup>6</sup> eco-label, have USDA Certified Biobased Product<sup>7</sup> content and are classified as readily biodegradable (OECD 301F<sup>8</sup>).

For more information: World-unique biobased and eco-labelled textile waterproofing is launched by OrganoClick's brand OrganoTex - OrganoClick

https://organotex.com/

<sup>4</sup> Asymmetric organocatalysis is a chemical reaction that produces different enantiomers (molecules that are the image of each other in a plane mirror, but are not superimposable) selectively using small organic catalysts

<sup>5</sup> Textile composed of a water-repellent surface treatment, a breathable film and a micro-fleece inner layer

<sup>6</sup> OEKO-TEX® ECO PASSPORT is an independent certification system for chemicals, dyes and auxiliaries used in the textile and leather industry. In a multistep process, OEKO-TEX ensures that each chemical substance used meets statutory requirements and is not harmful to human health

<sup>7</sup> The "Certified Biobased Product" label from the USDA (United States Department of Agriculture) guarantees the consumer that the product contains a USDA-verified quantity of renewable organic ingredients

<sup>8</sup> OECD (Organisation for Economic Co-operation and Development) guideline describing six methods for classifying chemicals according to their biodegradability in an aerobic aqueous environment

## AGENDA

#### Cables Europe - 2024

Cables Europe will be held in Düsseldorf (Germany) from the 05th to 07th March 2024. During this event will be presented innovations in the field of polymeric materials to produce cables.

Home - Cables (ami-events.com)

### Agricultural Film Europe - 2023

Agricultural Film will be held in Barcelona (Spain) from 12 to 13 March 2024. The event is aimed at the agricultural film industry (silage films, greenhouse films, mulch films and fumigation films) and is designed to provide information on the latest trends and innovations (and potentially phthalate and bisphenol substitute additives).

Home - Agricultural Film (ami-events.com)

# The Waterborne Symposium 2024

The Waterborne Symposium will be held in New Orleans, February 4-9, 2024. This congress is aimed at researchers and formulators in the field of coatings. The purpose of this event is to facilitate information sharing, particularly regarding alternatives to bisphenols, alkylphenol ethoxylates and PFAS use.

The Waterborne Symposium

If you have any questions, please contact us:

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