

UFlex Secures Indian Patent for Sustainable Waterborne Heat Seal Coating for Food and Consumer Goods Packaging

Delhi-NCR, July 22, 2025: UFlex, India's largest multinational flexible packaging and solutions company, has been granted an Indian patent (No. 567989) for its latest innovation, "Waterborne Heat Seal Coating Composition and a Process for its Preparation". This coating has been developed as a sustainable alternative to traditional fossil-based plastic coatings, aligning with the growing demand for recyclable and environmentally responsible packaging.



Coating applied on food wraps and takeaway boxes

The coating is designed for heat-sealable applications, offering oil and grease resistance on kraft paper and suitable blister coatings for paper and paperboard. It is both eco-friendly and compliant with food contact regulations. This patented coating can be applied to various packaging materials, including food wraps, takeaway boxes, and blister packs for toys and personal care products.

One of the key advantages of this innovation is its user-friendliness—it is a ready-to-use formulation which requires no dilution. It offers a low seal initiation temperature, excellent heat seal strength, and high hot tack strength, while meeting USFDA standards for food contact packaging.



Coating used on blister packs

An innovative solution from UFlex's chemicals product portfolio, this development underscores the company's extensive expertise in packaging inks, water-based, solvent-less and solvent-based adhesives, and specialty UV/LED coatings. Its state-of-the-art R&D center, NABL (ISO/IEC 17025:2017), is accredited and recognised by the Department of Science and Technology, Government of India. UFlex's inks and adhesives business is focused on developing innovative solutions with sustainable technologies, customised products, food-safe and toluene-free compliant inks as per IS 15495:2020 and providing on-site support.

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About UFlex Limited:

UFlex is India's largest multinational flexible packaging and solutions company. Since its inception in 1985, UFlex has grown from strength to strength and has built a strong presence across all verticals of the packaging value chain - packaging films, chemicals, aseptic packaging, flexible packaging, holography, engineering, and printing cylinders. With a 12,000+ strong multicultural workforce across global regions that works toward developing innovative, value-added, and sustainable packaging solutions, the company has earned an irreproachable reputation for defining the contours of the 'Packaging Industry' in India and overseas. It provides end-to-end solutions to numerous Fortune 500 clients across various sectors such as FMCG, consumer product goods, pharmaceuticals, building materials, automobiles, and more, in more than 150 countries. Headquartered in Noida, the National Capital Region, India, UFlex enjoys a global reach with advanced manufacturing facilities in India, UAE, Mexico, Egypt, USA, Poland, CIS, Nigeria, and Hungary. A winner of various marquee global awards for product excellence, innovation, and sustainability, UFlex is the first company in the world to earn recognition at the Davos Recycle Forum in 1995 for conceptualizing the recycling of mixed plastic waste. For more details, please visit: www.uflexltd.com