

## DFC coatings for paper and film substrates



**CLARITY Natural Coatings** are non-synthetic coatings formulated to be fully compliant with Single Use Plastic regulations. **CLARITY** is available in water-based and solvent-based versions for flexographic and gravure printing. **CLARITY** helps to protect paper and cardboard from water and fatty materials while being compliant with regulations concerning direct food contact.

### **End application**

**CLARITY** adheres well to paper and provides good water and grease resistance. **CLARITY** is formulated to meet EU and FDA requirements for direct food contact under a broad range of food type and usage conditions. For questions concerning regulatory compliance, please contact Spring's technical support department.

### **Printing**

- **Coat weight** : 5 – 15 cm<sup>3</sup>/m<sup>2</sup>
- **Drying** : IR and/or forced-air oven
- **Directions for use** : Stir well before use

### **Coatings properties**

- **Physical properties**
  - % solids :  
water-based : 25 – 35% wt.  
solvent-based: 35 – 40% wt.
  - Viscosity :  
water-based : 17 – 20 sec. at 23°C (4 Ford Cup)  
solvent-based: 23 – 25 sec. at 23°C (4 Ford Cup)
- **Storage**
  - 3 months after the ship date in a closed container.
  - Keep in a ventilated space between 10°C – 30°C.
  - Do not expose to light.
  - Firmly close container after utilization and avoid prolonged exposure to open air.
- **Transport**
  - Make sure that the recommended temperatures are respected (10°C – 30°C).
- **Packaging**
  - Pail (5 / 10 / 20 liters).

## **Cleaning**

Spring also supplies cleaning solutions for the decontamination of the flexo units before printing with DFC products in order to limit the risk of pollution.

For further information concerning the cleaning procedure, please contact Spring's technical support department.

## Statement of Compliance with EU Directive 2019/904

We certify that the **CLARITY** range of coatings complies with the EU Directive EU 2019/904, known as the Single Use Plastics directive.

**CLARITY** is formulated with natural polymers and certain additives.

These natural polymers are non-chemically modified according to article 3(40) of the Reach Regulation and their chemical structure remains unchanged after the treatment that they undergo, for instance to remove impurities. **CLARITY** does not undergo any chemical modification during the printing and converting processes.

**CLARITY** conforms with EU and FDA regulations concerning direct contact with food. Please refer to our DFC Food Contact Statement of Compliance for a full declaration concerning direct food contact compliance.