



Technical Data Sheet

(FE-220S A/B)

STARKEMER CO., LTD.



FE-220S A/B

(Polyurethane 2-Liquid High Elasticity Stuff)

Overview of Product

Urethane Exposure High Elasticity Stuff FE-220S is a 2-liquid paint containing polyurethane resin which having High Elasticity more than FE-220 with excellent durability and application property against cracking of the body.

General Characteristics

- Finishing : Grey and green are available and colors are available by ordering.
- Properties of product.

Product Name	FE-220S A	FE-220S B
Properties		
Appearance	transparent liquid	Dyed viscous
Viscosity (cps/25°C)	6,500±1,000	3,000±300
Packing Unit (kg/CAN)	8	20
Mixing ratio (wt%)	1	2.5
Pot life (min/25°C)	20 ~ 40	
Curing time (min/20°C)	24	
Tensile strength(N/m ²)	2.5 Over	
Tear strength(N/mm)	14.7 Over	
Elongation(%)	500 Over	
Hardness (shore-A)	40 ~ 50	

Application specifications

- Surface treatment : *Curing : concrete body requires at least 28 days of curing time at 20°C temperature and at 80% of relative humidity to have 6% or lower surface water content.
 - ※ Pre-treatment : Completely remove foreign substances such as laitance from the surface by blasting, chipping, and or grinding the surface.
- Application condition : Application and curing should be done at 5°C or higher temperature and the condition to avoid condensation of moisture is 5°C or higher surface temperature of the body than dew point and 80% or lower relative humidity.
- Application method : Roller, Exclusive rake
- Film thickness : 2~3mm per application
However, scrapping(full putty) work is exceptional.
- Follow-up application : Observe TOP COAT or application specifications.

- Storage : 12 months
(dry, cool, and dark place with good ventilation)
- Remarks : Avoid storage at 30°C or higher temperature.
 - In the high-temperature condition with direct sunlight in the summer, outdoor work should be avoided due to possible swelling.
 - When surface adhesion is reduced due to rain or snow, dilute PP-100 for urethane bottom lower layer and apply the paint once more at the consumption rate of app. 0.1kg/m²
 - Continuous application is needed to reduce the formation of seams at the interfaces.
 - When the skin is contacted with the paint during handling, wash the skin with organic solvent and then with soapy water.
- ※ Check the information of the product, refer to Material Safety Data Sheet(MSDS)

※ All data are based on laboratory testing and practical experience. The information is believed to be accurate, however without any obligation.