

Warranty

Date:

Aston Incorporated

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Product Name **CS-21 (Concrete Renovation)**

1. Classification

Sodium silicate-based surface penetrant
(conform to JSCE : Recommendations for Concrete Repair and Surface Protection of Concrete Structures)

2. Product Standard

Test item	Product Standard	Unit	Test condition
Appearance	No contamination	-	Internal standard: Visual checking
pH	11.3 or more	-	JIS K0102-12.1
Kinetic viscosity	5.70 or less	mm ² /s	As per JIS Z8803
Specific gravity	1.240 or more	-	JIS K2249
Residue on evaporation	390000 or more	mg/L	JIS K0102-14.2

3. Performances

No.	Item	Result of evaluation on CS-21
(1)	Change in appearance	SC
(2)	Impregnatability	IN
(3)	Inhibition ratio of water permeability	Grade B
(4)	Inhibition ratio of water absorption	Grade C
(5)	Moisture permeation ratio	Grade B
(6)	Inhibition ratio of neutralization depth	Grade A
(7)	Inhibition ratio of permeation depth of chloride ion	Grade C

The evaluation result is applicable when reflecting the test result conforming to JSCE-K571 in the quality evaluation standard on pages 165 – 167 of the Concrete Library 119 "Recommendations for Concrete Repair and Surface Protection of Concrete Structures": Manuals by Work Type Edition.