

Sheet piles are sometimes repeatedly pulled up and driven down at a construction site, especially when driving in solid rock. Detachment of ADEKA ULTRASEAL A-30 may occur, but repair work can be done simply and easily.

BASIC PROCEDURES

Repair work with ADEKA ULTRASEAL® KM (KCH) String (expansion rate: 3 times by volume)

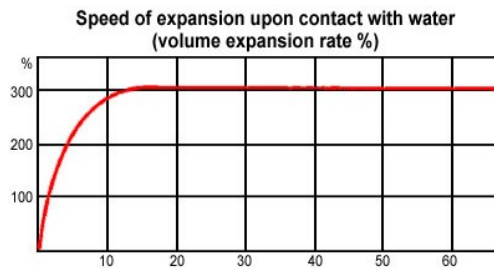
Insert KM (KCH) String which is approximately 1.2 times the width of the gap in diameter along the seam between the sheet piles.

BASIC PROPERTIES OF KM SERIES

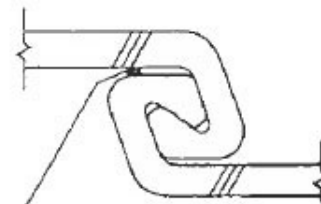
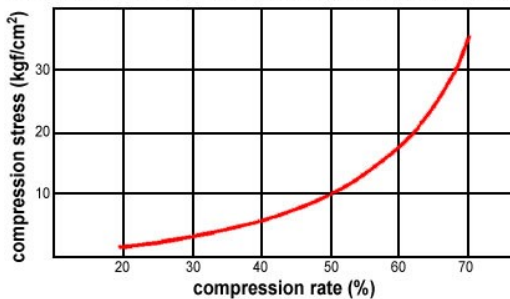
Tensile Strength (Kg.f/cm)	More than 20
Elasticity (%)	More than 550

WATER STOPPING ABILITY AFTER 5 DAYS IN WATER

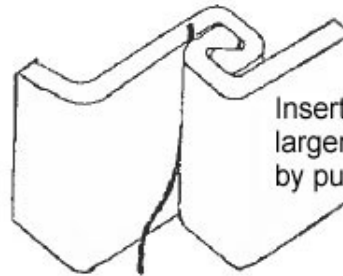
Interlock Space	0.5	1.0
Hydrostatic head (Kgf/cm)	17.0	9.5



Relationship between compression rate and compression stress



ADEKA ULTRASEAL KM-String



Insert KM-String about 1.2 times larger in diameter than the opening by pulling it down.



State of water leakage



Insertion of KM-String



Compression of repair work

OCM, Inc.

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SUPPLEMENTARY REPAIR

Repair with cartridge type ADEKA ULTRASEAL® P-201 (expansion rate: 2 times by volume)

After the active leak has been stopped by ADEKA ULTRASEAL KM (KCH) String, additional precautionary repair can be performed. Inject ADEKA P-201 in the interlock gap above the KM (KCH) repaired area with a caulking gun.



Injection of P-201



BASIC PROPERTIES OF P-201 BEFORE CURING

Appearance	Paste
Specific Gravity (20° C)	1.22
Application Speed (5° C)	Less than 30 seconds
Application Speed (20° C)	Less than 20 seconds
Slump (23° C)	3 mm >
Tack Free (20° C 60% RH)	10 hours >

AFTER CURING

Hardness (Shor A)	28
Tensile Strength (Kgf/cm)	25
Elasticity (%)	1750
Tearing Strength (Kgf/cm)	12

WATER STOPPING ABILITY AFTER 5 DAYS IN WATER

	Plate Glass	Aluminum Plate	Mortar Plate
50% Tensile Stress (Kgf/cm)	3.9	3.8	3.8
Maximum Tensile Stress (Kgf/cm)	14.5	14.5	15.5
Elongation (%)	540	595	560

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