

ADEKA ULTRA SEAL® SPECIFICATION

Part 2 - Products

2.01 Materials

A. Provide Adeka Ultra Seal Waterstops; pre-formed rubber, paste type, injectable type and accessories as manufactured by Asahi Denka Kogyo K.K. Nationally distributed by OCM, Inc. (800) 999-3959.

B. The product shall have the minimum performance standard of:

Property	Test Method	PRODUCTS			
		MC	KM	P-201	A-50
Hardness (HS)	ASTM 2240	30±6	28±6	20<	20
Tensile Strength	ASTM D412	100<*	420<	350<	300<
Elongation %	ASTM D412	500<*	550<	700<	1000<
Specific Gravity	ASTM D792	1.18±.15	1.18±.15	1.28±.15	1.05±.05
Expansion ¹	Method ²	1.9<	2.5<	1.8<	5
Mass Change% ³	Method ⁴	5	5	5	5

* Based on MC material without wire net.

¹ Expansion Coefficient by Volume

² Test performed by independent laboratory by the following method:

Determine the volume of dry sample.

Immerse the sample in water for 10 days.

Determine the volume of the sample after immersion.

Calculate the Volume Expansion Coefficient.

³ Mass Change % measures the durability of the product. It reflects the amount of hydrophilic agent that is lost through repeated cycles of hydration and dehydration.

⁴ Test performed by independent laboratory to determine mass change percentages by the following method:

Determine mass of sample (mass^x)

Immerse sample in water at 70° C for 72 hours.

Follow by 168 hours of continuous drying at 50° C.

Determine mass of sample (mass^y). If there is no mass change, continue to dry until a change in mass is observed.

Use the following formula to calculate mass change:

$$\text{Mass Change}\% = (100 - (\text{mass}^y/\text{mass}^x)) \times 100$$

C. Provide other materials not specifically described, but required for a complete and proper installation as directed by Manufacturer and approved by the Architect/Engineer.

ADEKA ULTRA SEAL® GENERIC SPECIFICATION

Part 2 - Products

2.01 Materials

A. Provide Waterstops; pre-formed rubber, paste type, injectable type and accessories. Call (800) 999-3959 for information.

B. The product shall have the minimum performance standard of:

		PRODUCTS			
Property	Test Method	A	B	C	D
Hardness (HS)	ASTM 2240	30±6	28±6	20<	20
Tensile Strength	ASTM D412	100<	420<	350<	300<
Elongation %	ASTM D412	500<	550<	700<	1000<
Specific Gravity	ASTM D792	1.18±.15	1.18±.15	1.28±.15	1.05±.05
Expansion ¹	Method ²	1.9<	2.5<	1.8<	5
Mass Change% ³	Method ⁴	5	5	5	5

Product A: Pre-formed hydrophilic non-vulcanized rubber trip.

Product B: Pre-formed hydrophilic vulcanized rubber strip.

Product C: Paste type hydrophilic water-stop.

Product D: Liquid type hydrophilic water-stop, (poured in-place rubber gasket.)

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C. Provide other materials not specifically described, but required for a complete and proper installation as directed by Manufacturer and approved by the Architect/Engineer.