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Rubbers and derivatives JABE, S.L. CIF No. B2012/4040 Commercial Registry Gipuzkoa Document 1/1998/4376 Journal 56 Entry 3827 Book 1181 Folio 58 Page ss-3617

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Testing:

Waterproofing of the Rivestop after Ageing in Chemical Agent (pH=13.2) at a pressure of 20 meters of water column (mWc)

Sample Details

Identification	Rivestop OF2012-191 Batch 11015
Description	Rivestop
Code	12-4677-395 Receiving the sample

Required Testing

Testing	Waterproofing after ageing at chemical agent (pH=13.2)
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Testing Laboratory :



Lab Report No.

12-5395-1293

Result :

OK, No leaks

Methodology

Without expanding, samples undergo ageing in saline solution which comprises subjecting test-tubes to 50 cycles of salt corrosion whereby each period of 24 hours each comprises:

The ends of the surface of the test-tubes are soaked for 5 hours at room temperature with a saturated solution of sodium chloride. **The pH of the saline solution adjusts to 13.2 or higher.**



After

that, the samples are placed in a climatic chamber at 20°C and 100% RH for 16 hours. At the end of the exposure to moisture for 16 hours, the test-tubes remain dry for 3 hours at room temperature.

After these cycles of ageing in saline solu-

tion, the test-tubes are installed in the concrete substrates at room temperature. After installation, the test-tubes are stabilized for 24 hours at 23°C and 50% RH before testing for leaks.



In order to perform this second trial of testing, prior hydraulic Assembly is carried out

Environmental Effects	pH Value	Examples
ACIDIC	pH = 0	Battery acid
	pH = 1	Sulfuric acid
	pH = 2	Lemon juice, Vinegar
	pH = 3	Orange juice, Soda
	pH = 4	Acid rain (4.2-4.4)
	pH = 5	Acidic lake (4.5)
NEUTRAL	pH = 5	Bananas (5.0-5.3)
	pH = 6	Clean rain (5.6)
BASIC	pH = 6	Healthy lake (6.5)
	pH = 7	Milk (6.5-6.8)
	pH = 7	Pure water
	pH = 8	Sea water, Eggs
	pH = 9	Baking soda
	pH = 10	Milk of Magnesia
	pH = 11	Ammonia
	pH = 12	Soapy water
pH = 13	Bleach	
	pH = 14	Liquid drain cleaner

which allows testing 6 test-tubes simultaneously. The testing device is programmed to perform the testing of sealing pressure of 2bar (0.20MPa) for 24 hours at a temperature of 10°.



The testing equipment for waterproofing used are the following: Pressure Equipment, IPT Airless Basic Climatic Chamber Thermotron with certified calibration 10/34513341 of the 20-9-2010 Pattern Measure of Pressure: Telegan Pressure Transducer XMLP010BC71V certified 12/34508029 of the 27-3-2012

Certificate Date: 02-14-2017

