RP SYSTEM REQUIREMENT CALCULATIONS

To calculate how many RP System packets are needed for any given size enclosure, use the following example for reference: Measure the size of enclosure needed in centimeters or inches (Length x Width x Height) which will give you the total volume in centimeters or inches. Next you will need to convert cubic centimeters (cm^3) or cubic Inches (in^3) into liters and then divide the total volume by the size of packet to be used. The examples below are for both RP System Type-A and Type-K but not Ageless. If the examples given below seem a little overwhelming we fully understand, just give us a call and we will be happy to assist you in determining how much material you will need.

Metric Unit Example:
20cm long x 15cm wide x 10cm height
20 x 15 x 10 = 3,000 cubic centimeters (cm^3) total volume

Now you need to convert cubic centimeters (cm^3) to liters
3,000 cm^3 x **0.001*** = 3 liters total volume
3 liters (total volume) divided by 2 liters (total capacity of a single RP-20) packet = 1.5 packets that are needed.

English Unit Example:
8 in long x 6 in wide x 4 in height.
8 x 6 x 4 = 192 cubic inches (in^3) total volume

Now you need to convert cubic inches (in^3) to liters
192 in^3 x **0.01638**** = 3 liters total volume.
3 liters (total volume) divided by 2 liters (total capacity of a single RP-20) packet = 1.5 packets that are needed.

To be on the safe side, it is recommended that an additional 25 to 50% of Ageless packets should be added for possible enclosure leakage.

*0.001 is the conversion factor for cm^3 to liters.
**0.01638 is the conversion factor for in^3 to liters.
RP-3 = 300ml or .3 liter of absorption capacity
RP-20 = 2,000ml or 2 liters of absorption capacity