



## Cleaning Chemical Mixing Guide and Dilution Ratios

Cleaning chemicals usually come in a concentrated form (neat) and need to be mixed with water in order to use them. **Mixing chemicals is usually the job of a supervisor**, unless the cleaning operator is trained how to mix.

It is very important for the cleaning chemical solution to be mixed correctly so that:

- The dirt can be effectively lifted off the surface
- The surface is not damaged
- The chemical is not wasted

There are many different sizes of containers that chemicals get mixed in so in order for the chemical to be mixed the same in each container, a **percentage** or **ratio** is used.

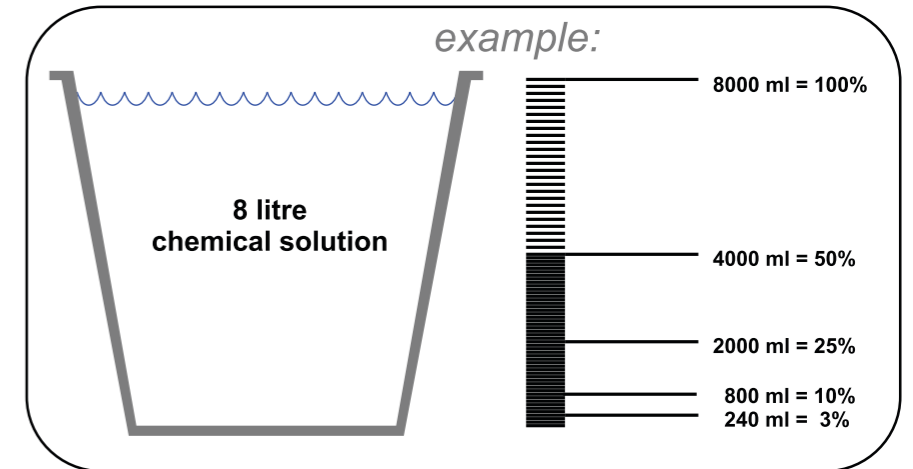
You must be able to see what the capacity of the container is. How much liquid it can take until it is full ?

In order to mix correctly, always fill the container to the maximum level and use the correct size container for your job.

If the container measurement is in **litres (l)** then convert the measurement to **millilitres (ml)** by multiplying by 1000. eg:  $1l \times 1000 = 1000ml$

All measurements should be measured correctly, however as this is cleaning, a little bit more or less should not affect the result too much.

It is recommended that a measuring cup or jug be used. Please ask your sales representative for this.



### What percent dilution should I use for which type of cleaning?

<b>Maintenance Cleaning</b>	2% - 4%
<b>Intensive Cleaning</b>	5% - 7%
<b>General Foaming</b>	20% - 25%
<b>Wetrok Wetco foaming</b>	10%

The millilitre values below are for undiluted chemical and must be mixed with water to the full capacity of the container stated.

Average Dilution Ratio	% Percentage Dilution	600ml Spray Bottle	1 litre / 1000ml container	2 litre / 2000ml container	4 litre / 4000ml container	6 litre / 6000ml container	8 litre / 8000ml container	10 litre / 10 000ml container	12 litre / 12 000ml container	14 litre / 14 000ml container	15 litre / 15 000ml container	20 litre / 20 000ml container	25 litre / 25 000ml container
1:100	1%	6 ml	10 ml	20 ml	40 ml	60 ml	80 ml	100 ml	120 ml	140 ml	150 ml	200 ml	250 ml
1:50	2%	12 ml	20 ml	40 ml	80 ml	120 ml	160 ml	200 ml	240 ml	280 ml	300 ml	400 ml	500 ml
1:33	3%	18ml	30 ml	60 ml	120 ml	180 ml	240 ml	300 ml	360 ml	420 ml	450 ml	600 ml	750 ml
1:25	4%	24 ml	40 ml	80 ml	160 ml	240 ml	320 ml	400 ml	480 ml	560 ml	600 ml	800 ml	1000 ml
1:20	5%	30 ml	50 ml	100 ml	200 ml	300 ml	400 ml	500 ml	600 ml	700 ml	750 ml	1000 ml	1250 ml
1:16	6%	36 ml	60 ml	120 ml	240 ml	360 ml	480 ml	600 ml	720 ml	840 ml	900 ml	1200 ml	1500 ml
1:14	7%	42 ml	70 ml	140 ml	280 ml	420 ml	560 ml	700 ml	840 ml	980 ml	1050 ml	1400 ml	1750 ml
1:12	8%	48 ml	80 ml	160 ml	320 ml	480 ml	640 ml	800 ml	960 ml	1120 ml	1200 ml	1600 ml	2000 ml
1:11	9%	54 ml	90 ml	180 ml	360 ml	540 ml	720 ml	900 ml	1080 ml	1260 ml	1350 ml	1800 ml	2250 ml
1:10	10%	60 ml	100 ml	200 ml	400 ml	600 ml	800 ml	1000 ml	1200 ml	1400 ml	1500 ml	2000 ml	2500 ml
1:6	15%	90 ml	150 ml	300 ml	600 ml	900 ml	1200 ml	1500 ml	1800 ml	1800 ml	2250 ml	3000 ml	3750 ml
1:5	20%	120 ml	200 ml	400 ml	800 ml	1200 ml	1600 ml	2000 ml	2400 ml	2400 ml	3000 ml	4000 ml	5000 ml
1:4	25%	150 ml	250 ml	500 ml	1000 ml	1500 ml	2000 ml	2800 ml	3000 ml	3000 ml	3750 ml	5000 ml	6250 ml