

# NEWS Flash!

**NEARGAL 5R**



# Neargal 5R - new levelling agent for reactive dyes

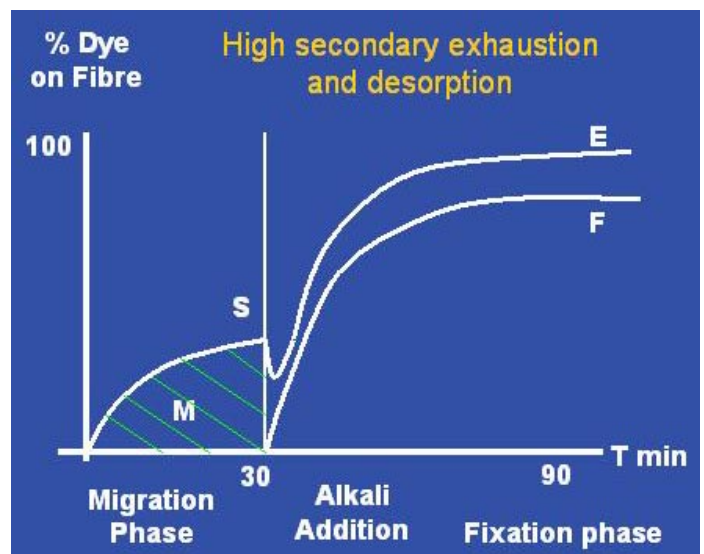
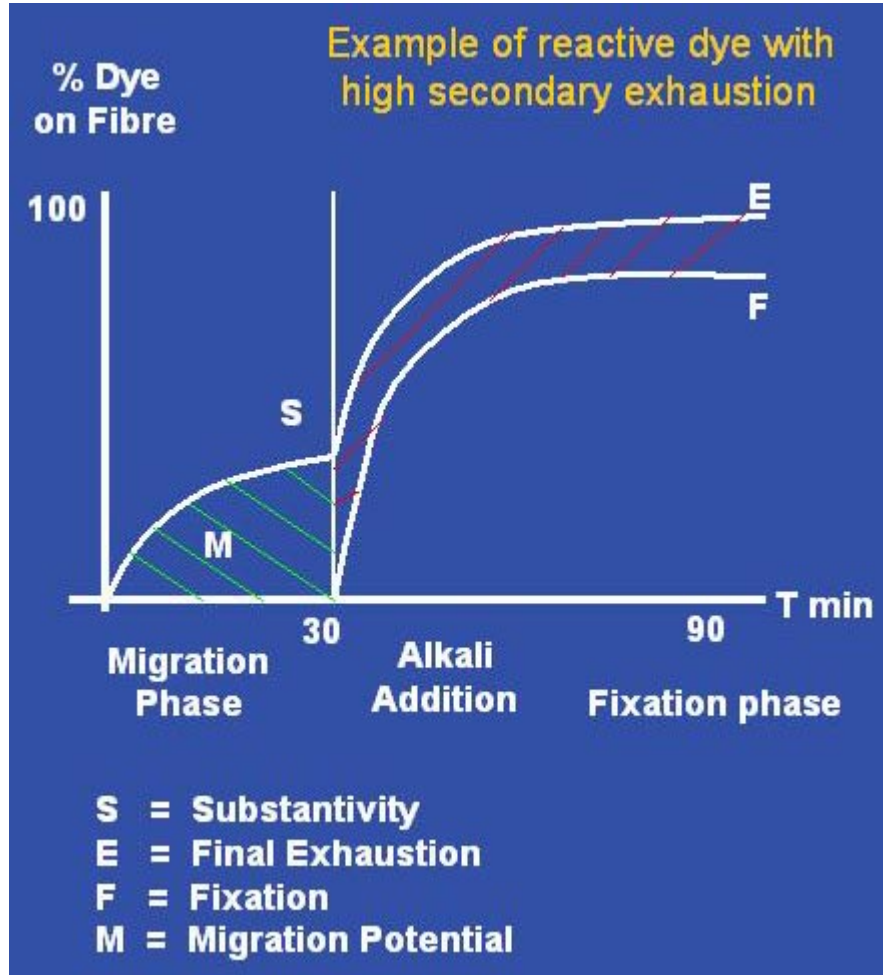
E – S = “Secondary Exhaustion”

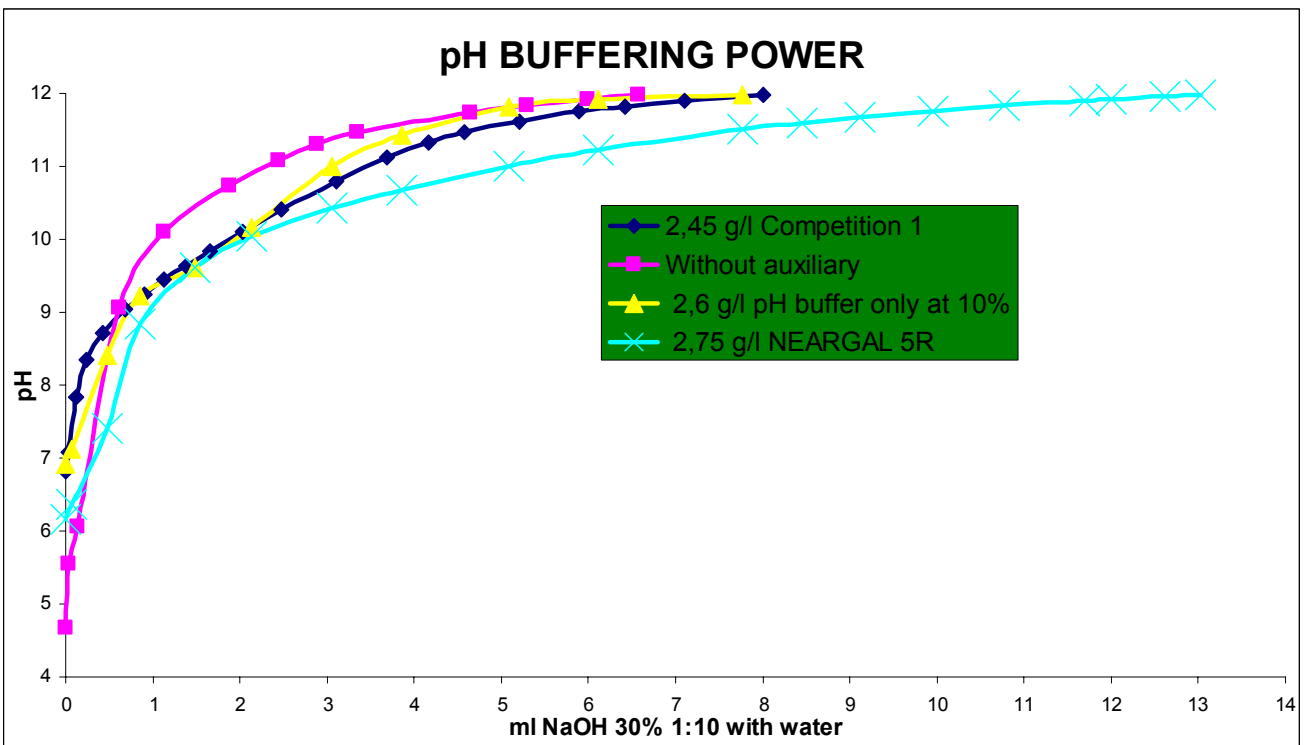
Some reactive dyes have a relatively low substantivity, and therefore low to medium exhaustion with electrolyte, and a higher secondary exhaustion when alkali is added for fixation.

This extra exhaustion, which takes place on the addition of alkali, is dangerous from the point of view of level dyeing because the dye can immediately fix to the fibre without migration having taken place.

A high value of secondary exhaustion combined with a high reactivity can make it very difficult to obtain a level dyeing.

Some dyes, particularly reds, are particularly difficult to dye because some of the dye that has already exhausted can DESORB when alkali is added, and then very rapidly re-exhaust. This re-exhaustion often gives rise to unlevel dyeing.





**With NEARGAL 5R in the dye bath the pH does not immediately rise to the fixation pH when the alkali is added. NEARGAL 5R exhibits a pH moderating effect – the pH rises more gradually, so allowing the secondary exhaustion of the dye to proceed in a more uniform manner.**

**NEARGAL 5R also contains anionic dispersing agents which prevent formation of agglomerates, especially with large molecule reactive dyes, salt and alkali.**

**The anionic nature of NEARGAL 5R allows the auxiliary to compete with the dye and ensure a more uniform build-up in exhaustion.**