Tecolan	0.5%	2%	C.I. Acid	Xenon lamp Xenonlicht 1/1 RTT 1/1 SD	Wäsche Washing 40 °C N	 WO	 CO	Walke Milling streng/severe N	 WO	 CO	Schweiss Perspiration alk./alk. N	 WO	 CO	Dekatur Decatizing str./sev. N	Reiben Rubbing Trocken Dry	Nass Wet
Gelb E-4GN **Yellow E-4GN**			**Y mix**	**6**	**4-5**	**5**	**5**	**5**	**3-4**	**5**	**4-5**	**4**	**4-5**	**4-5**	**5**	**4-5**
Gelb E-2R **Yellow E-2R**			**Y mix**	**6-7**	**4-5**	**4**	**5**	**4**	**4-5**	**5**	**4-5**	**4-5**	**4**	**4-5**	**5**	**4-5**
Orange E-R **Orange E-R**			**O mix**	**6**	**4-5**	**5**	**5**	**4-5**	**4**	**5**	**5**	**4-5**	**4-5**	**4-5**	**5**	**4**
Rot E-G **Red E-G**			**R mix**	**6**	**4-5**	**5**	**5**	**5**	**3-4**	**4-5**	**4-5**	**4-5**	**4-5**	**5**	**5**	**4**
Bordeaux E-B **Bordeaux E-B**			**V 90**	**5-6**	**4**	**5**	**5**	**5**	**4**	**5**	**4-5**	**4-5**	**4-5**	**5**	**5**	**4**
Violett E-B **Violet E-B**			**V mix**	**5**	**4**	**5**	**5**	**4-5**	**4**	**5**	**4-5**	**4**	**4-5**	**5**	**5**	**4**
Blau E-2R **Blue E-2R**			**B mix**	**5-6**	**4-5**	**5**	**5**	**5**	**4**	**5**	**5**	**4**	**4-5**	**5**	**4-5**	**4**

Tecolan	0.5%	2%	C.I. Acid	Xenon lamp Xenonlicht 1/1 RTT 1/1 SD	Wäsche Washing 40 °C N	 WO	 CO	Walke Milling streng/severe N	 WO	 CO	Schweiss Perspiration alk./alk. N	 WO	 CO	Dekatur Decatizing str./sev. N	Reiben Rubbing Trocken Dry	 Nass Wet
Grün E-BW **Green E-BW**			**G mix**	**6**	**4**	**4-5**	**5**	**4-5**	**4-5**	**5**	**4**	**4-5**	**4-5**	**5**	**5**	**4-5**
Braun E-B **Brown E-B**			**Br mix**	**6-7**	**4-5**	**5**	**5**	**5**	**4-5**	**5**	**4-5**	**4-5**	**4-5**	**5**	**5**	**4-5**
Grau E-G **Grey E-G**			**B mix**	**6**	**4-5**	**5**	**5**	**5**	**4-5**	**5**	**4-5**	**4-5**	**4-5**	**5**	**5**	**4-5**

Tecolan	2%	4%	C.I. Acid	Xenon lamp Xenonlicht 1/1 RTT 1/1 SD	Wäsche Washing 40 °C N	 WO	 CO	Walke Milling streng/severe N	 WO	 CO	Schweiss Perspiration alk./alk. N	 WO	 CO	Dekatur Decatizing str./sev. N	Reiben Rubbing Trocken Dry	 Nass Wet
Marineblau E-R **Navy E-R**			**B mix**	**6**	**4-5**	**5**	**5**	**4-5**	**3-4**	**5**	**4-5**	**4-5**	**4-5**	**5**	**5**	**4**
Schwarz E-B **Black E-B**			**Blk mix**	**7**	**4-5**	**5**	**5**	**5**	**3**	**4-5**	**4**	**4**	**5**	**5**	**5**	**3-4**

Tecolan E dyestuffs are modern formulated wool dyestuffs for safe and level dyeings on wool with general high fastness.
They are suitable for dyeing wool in all kinds of appearances, for silk as well as for dyeing the wool part in a fibre blends, such as PES/WO or PAN/WO.

Significant for this dyestuff range is its high degree of exhaustion of the dye bath and the high reproducibility of the dyeings. The high bath exhaustion is achieved in the pH range between 4.5 and 5, which is ideal for wool.

Tecolan E dyestuffs may, owing to their dyeing properties, be freely applied together in combinations. As trichromatic elements following dyestuffs have approved in practical use:

Tecolan Yellow E-2R
Tecolan Red E-G
Tecolan Grey E-G or Tecolan Brown E-B

Key to the fastness

The fastness tests were carried out on dyeings at 1/1 standard depth on wool gabardine.

N = change of shade
WO = staining of wool
CO = staining of cotton

Xenon light ISO 105 – B02	Washing 40 °C ISO 105 – C01
Milling, alkaline, severe ISO 105 – E12	Perspiration, alkaline ISO 105 – E04
Decatizing, severe ISO 105 – E10	Rubbing ISO 105 – X12

Dyeing process

Dissolving Tecolan E dyestuffs

Tecolan E dyestuffs are pasted with cold water and then dissolved by pouring over with boiling water.

Standard procedure

set bath at 50 °C with
1.0 g/l Alviron P 96
0 – 10 % Glauber's salt calc. and
adjust to pH 4 – 5 with TC-Ökostabil 100 or acetic acid 80 %

after the complete distribution of the chemicals, add the dissolved dyestuff

run for 10 min

heat up to boiling temperature at 1 – 3 °C/min

The critical temperature range lies between 70 °C and 90 °C. To achieve an optimal surface levelness this range should be passed carefully.

dye for 20 - 40 min at boiling temperature

cool down to 80 °C

drain bath, rinse cold and possibly acidify with TC-Ökostabil 100

Recommended chemicals

Alviron P 96	anionic levelling agent for dyeing wool and polyamide
TC-Ökostabil 100	nonvolatile buffer system to guarantee a stable pH value for various fields of application