



# CORAZOL RFT AND CORAZOL X-RFT FOR RIGHT FIRST TIME DYEING





## **OUR VISION**

**To be the global market leader in Textile and Leather Dyes**

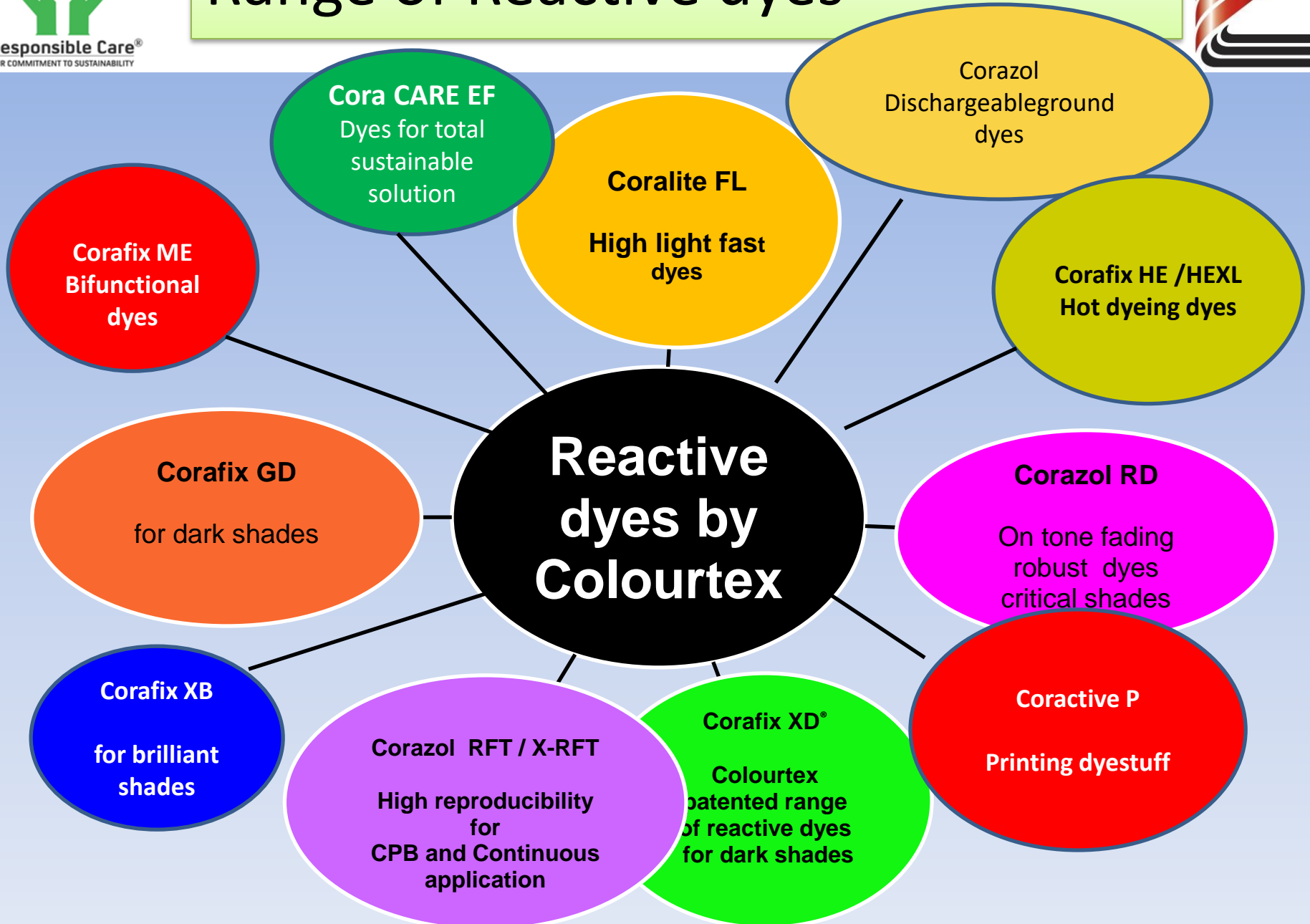
## **OUR MISSION**

**To achieve sustainable growth and total customer confidence with utmost care of Environment and Ecology.**

## **Our BELIEF & COMMITMENT**

- 1. Safety, Health and Environmental excellence is the result of our attitudes, beliefs, and behaviors.**
- 2. Safety is a Line Responsibility.**
- 3. Safety is an integral part of every activity.**
- 4. All Incidents and Injuries can be prevented.**
- 5. Excellence in Safety is compatible with Excellence in Quality, Productivity and Profitability.**

# Range of Reactive dyes



# Parameters for right first time dyeing



- Fabric parameters after Pretreatment :-
  1. Absorbancy of the fabric
  2. Core pH of the fabric
  3. Residual peroxide & whiteness
- Dyeing Process :-
  1. Dyestuff selection based on on-tone exhaustion
  2. Solubility of dyestuff during dyeing condition
  3. Dosing of alkali and % progression & pH
  4. Fixation time and washing-off sequence
  5. Other parameters like temperature, time etc.

# Corazol RFT/Corazol X-RFT



## Benefits :-

- Short range of dyestuff
- Good all round fastness
- Good build up in dark shades with Corazol X-RFT
- Critical shades like Olive and Grey can be dyed with better on-tone exhaustion & reproducibility
- Low salt in dyeing due to less recipe concentration and low load on effluent resulting in cost saving compare to commodity reactives.



# ▶ Corazol RFT



**G.Yellow RFT**

▶ It is dischargeable bright reactive G.Yellow with moderate Light fastness.

**Red RFT**

▶ Brilliant bluish red with good wash-off Properties.

**Blue RFT**

▶ Reactive blue as tri-chromatic shading component with good build-up properties

**Grey RFT**

▶ Neutral blue for shading component trichromatic combination with good light fastness.

**Navy RFT**

▶ Reactive neutral navy as dischargeable trichromatic shading Component for deep Shades.

**Deep Black  
RFT**

▶ Reactive neutral black with good build-up & wash –off properties.

# ▶ Corazol X-RFT



**Yellow X-RFT**

▶ Bright reactive yellow with good fastness properties.

**Red X-RFT**

▶ Reactive red with good wash –off properties.

**Carmines X-RFT**

▶ Brilliant reactive dischargeable carmine with good wash –fastness. Suitable in trichromy component with Yellow X-RFT & Red X-RFT

**Navy X-RFT**

▶ Reactive redder navy for shading component in trichromatic combination.



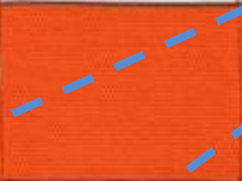





























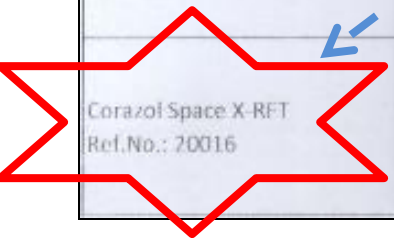
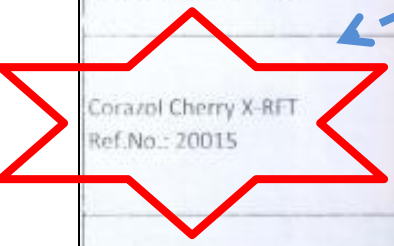
# Corazol Cherry X-RFT and Space X-RFT development



**New introduction**

Comparative sample evaluation report

	1.00%	3.00%	5.00%	6.00%	7.00%	8.00%
Corazol Yellow X-RFT Product Code :- T072691123 Ref.No.: 0001417057						
Corazol Red X-RFT Product Code :- T074631123 Ref.No.: 0001317508						
Corazol Cherry X-RFT Ref.No.: 20015						
Corazol Navy RFT Product Code :- T076680113 Ref.No.: 0001394288						
Corazol Space X-RFT Ref.No.: 20016						

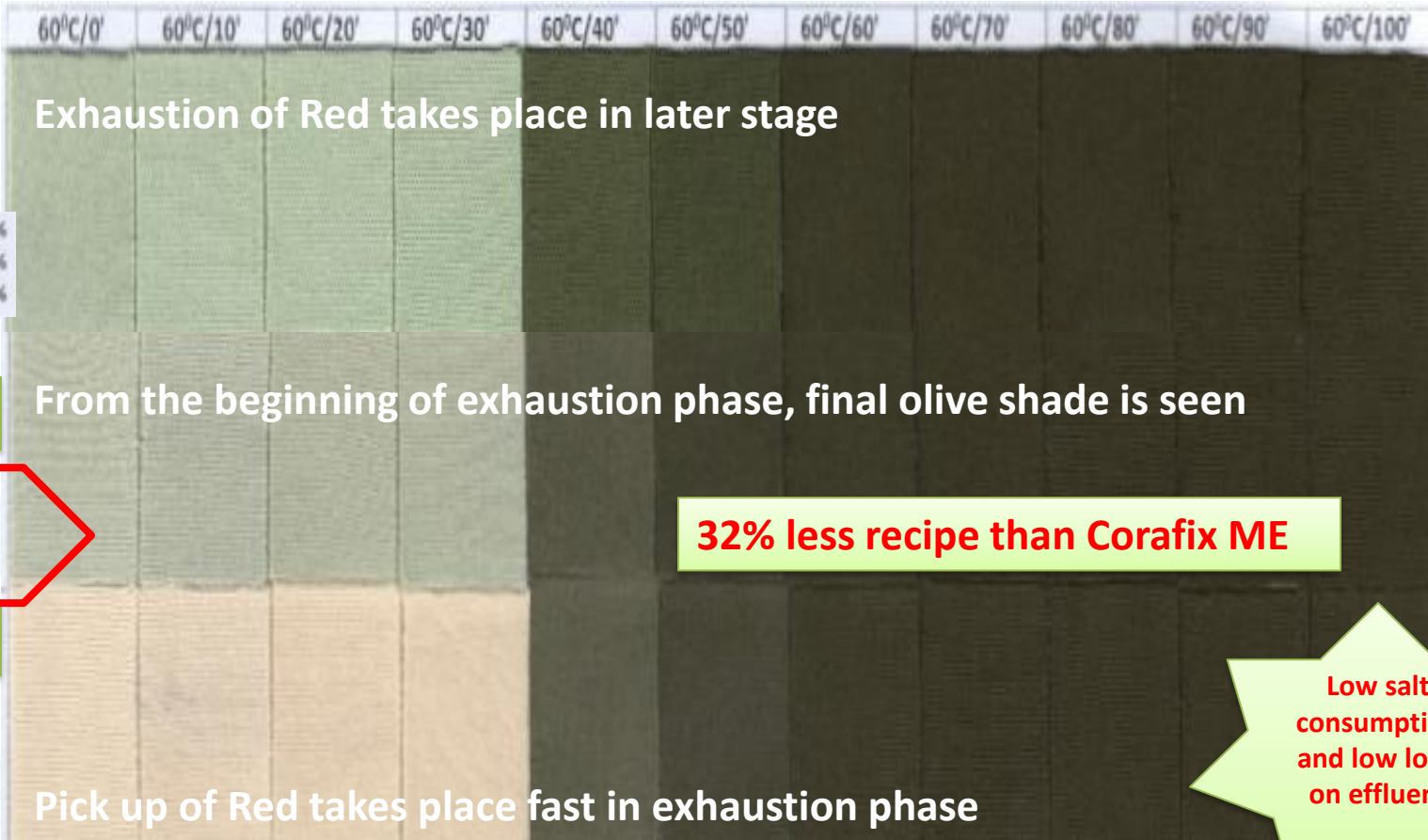


# Comparative analysis with build up



Sr.	Product Name	Strength	Strength	Dyeing	Shade ( Visual )	CIELab			CMC2:1			
No		By Trans	By Reflec	On		DE	Da	Db	DE	DL	DC	DH
				Cotton								
				Knitt	All Spectral datas are at "as is" strength.							
1	Corazol Red X-RFT	100.00%	100.00%	1.00%	Control							
	Product Code :- T074631123		100.00%	3.00%	Control							
	Ref.No : 0001317508		100.00%	5.00%	Control							
	Corazol Cherry X-RFT	108.88%	119.65%	1.00%	Greener, Yellower, Duller	4.04	-2.03	2.51	2.13	-1.19	-0.67	1.64
	Ref.No : 20015		112.34%	3.00%	Greener, Yellower, Duller	3.51	-2.69	1.28	1.83	-1.08	-0.88	1.20
			110.87%	5.00%	Greener, Yellower, Duller	3.44	-2.87	0.71	1.79	-1.09	-0.99	1.02
2	Corazol Navy RFT	100.00%	100.00%	1.00%	Control							
	Product Code :- T076680113		100.00%	3.00%	Control							
	Ref.No : 0001394288		100.00%	5.00%	Control							
	Corazol Space X-RFT	87.86%	87.43%	1.00%	Redder, Bluer, Duller	2.09	1.47	-0.52	1.56	0.78	-0.11	1.35
	Ref.No : 20016		90.96%	3.00%	Redder, Bluer, Brighter	1.55	0.77	-0.97	1.38	0.73	0.46	1.08
			90.82%	5.00%	Redder, Bluer, Brighter	1.78	0.33	-1.42	1.60	0.95	1.03	0.76

# On-tone exhaustion of Olive shade in medium depth



Exhaustion of Red takes place in later stage

From the beginning of exhaustion phase, final olive shade is seen

**32% less recipe than Corafix ME**

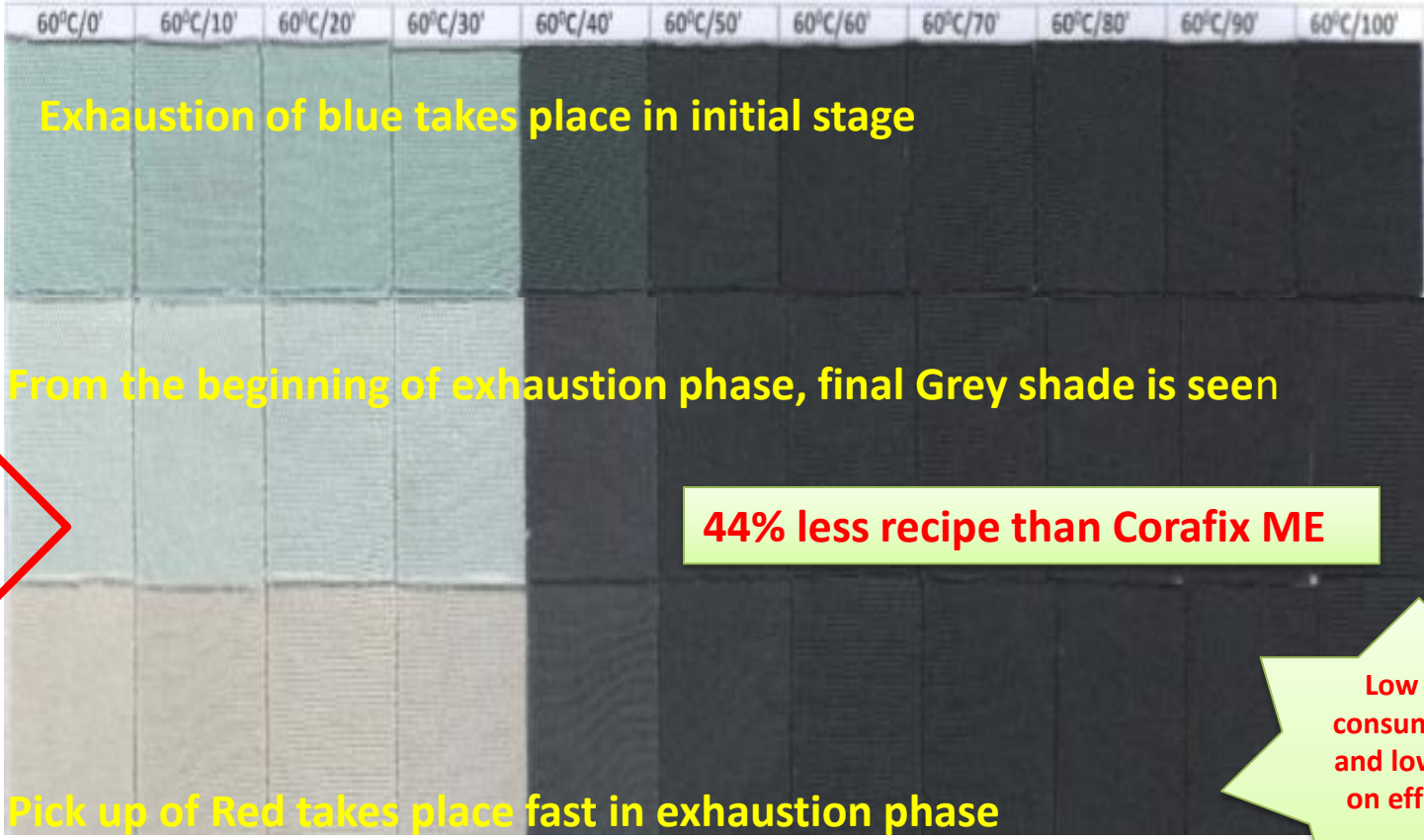
**Low salt consumption and low load on effluent**

Pick up of Red takes place fast in exhaustion phase

Exhaustion phase in Salt

Alkali dosing and fixation phase of dyeing

# On-tone exhaustion of Grey shade in medium depth



**Trichromy 1**

Corafix G. Yellow MER	0.760%
Corafix Red ME4B 150%	0.580%
Corafix Navy Blue SFB	1.130%

Exhaustion of blue takes place in initial stage

**Trichromy 2**

Corazol Yellow X-RFT	0.480%
Corazol Cherry X-RFT	0.430%
Corazol Space X-RFT	0.800%

From the beginning of exhaustion phase, final Grey shade is seen

**44% less recipe than Corafix ME**

**Trichromy 3**

Corazol Yellow X-RFT	0.510%
Corazol Red X-RFT	0.485%
Corazol Navy RFT	0.700%

Pick up of Red takes place fast in exhaustion phase

**Low salt consumption and low load on effluent**

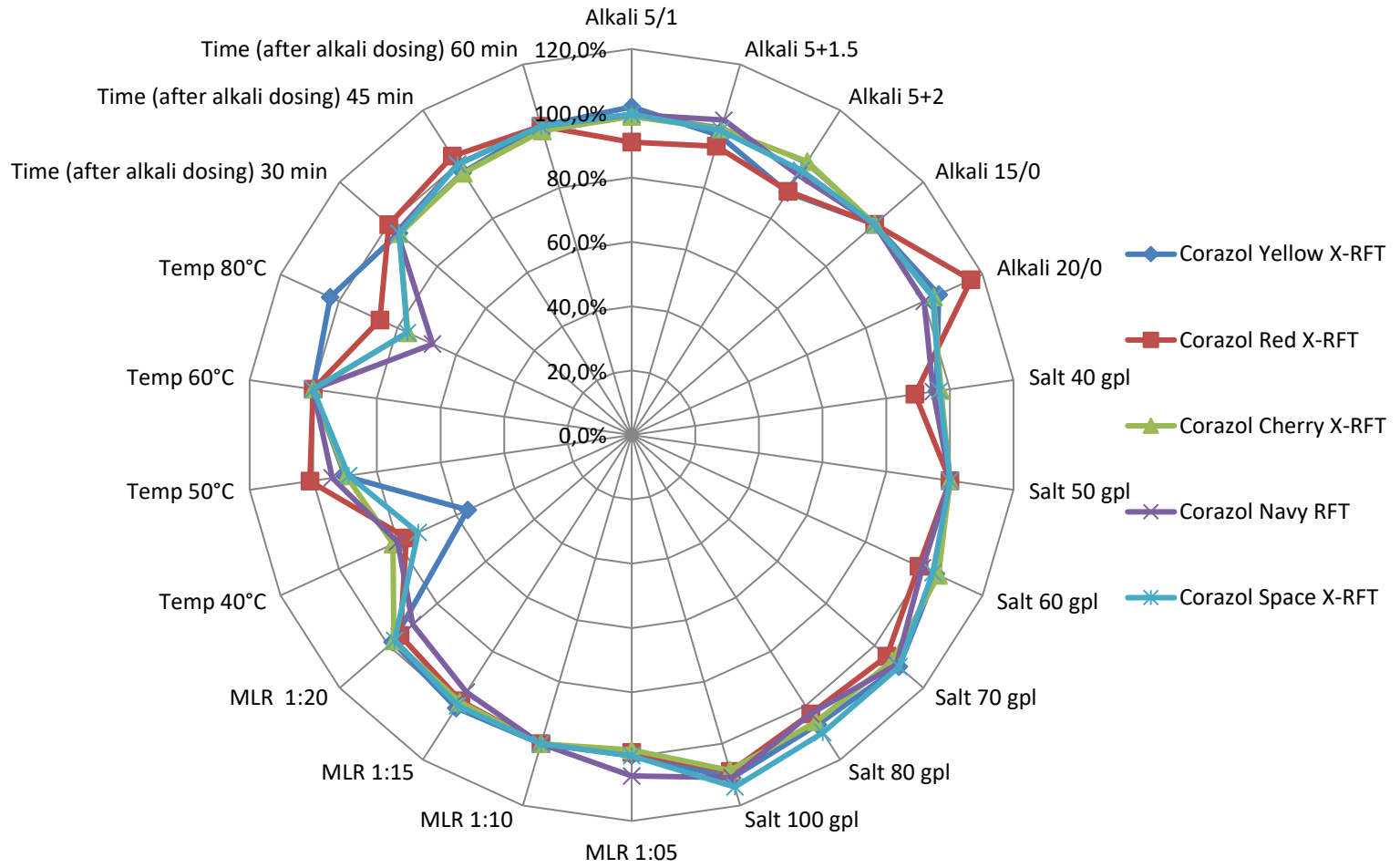
Exhaustion phase in Salt

Alkali dosing and fixation phase of dyeing

# Robustness data of Corazol RFT/X-RFT



**Alkali :-**  
5/1, 5/1.5, 5/2 = 5 gpl soda ash + 1 ml/lit caustic (50%), 1.5 ml/lit caustic (50%) and 2 ml/lit caustic (50%) respectively.





**Responsible Care®**  
OUR COMMITMENT TO SUSTAINABILITY

**THANKS**

