



## Bottle cleaning

We guarantee that using **FINK TEC** – products, at the lowest possible concentrations, enables you to clean your returnable containers safely and flawlessly; -ensuring that your bottle cleaning line is in the best possible condition. Our field sales representatives will also be happy to advise you about possible ways to further optimise the processes and systems you use.

### Lye zones

Additive

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>Normal application</b>			
<b>FT 233 FRG</b>	Complexing additive, provides effective protection against hard water deposit even in hyperstoichiometric areas, EDTA-free	0,10	0,30
<b>FT 234 FRG</b>	Complexing additive, provides effective protection against hard water deposit even in hyperstoichiometric areas, EDTA-free, PET tested	0,10	0,30
<b>FT 239 FRG</b>	Complexing additive, miscible with NaOH concentrate, EDTA/ NTA-free, PET- tested	0,10	0,30
<b>FT 242 FRG</b>	Combination additive for use as lye additive and for sequestration in water zones, EDTA/ NTA-free, PET tested	0,10	0,30

<b>Anti-scuffing</b>			
Product	Description	From	To
<b>FT 210 FRG</b>	Anti-scuffing additive EDTA/ NTA-free, aids rust ring removal, PET- tested	0,20	0,50
<b>FT 230 FRG</b>	Anti-scuffing additive EDTA/ NTA-free, aids rust ring removal, PET- tested	0,10	0,30

Additive

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>Increased detachment of mould</b>			
<b>FT 13 FRG</b>	Strong complexing additive for effective detachment of mould	0,20	0,50
<b>FT 235 FRG</b>	Strong complexing additive for effective detachment of mould with wetting action	0,20	0,50
<b>FT 236 FRG</b>	Strong complexing additive for effective detachment of mould with wetting action, EDTA /NTA-free, PET tested	0,20	0,50
<b>FT 240 FRG</b>	Strong complexing additive for effective detachment of mould, PET tested	0,20	0,50

Special uses			
Product	Description	From	To
<b>FT 237 FRG</b>	Special additive for removing self-adhesive labels, EDTA / NTA-free, PET-tested	0,20	0,50
<b>FT 240 FRG</b>	Strong complexing additive for effective detachment of mould, very effective in combination with FT 241 SP for removing self-adhesive labels	0,20	0,50
<b>FT 241 SP</b>	Solvent additive very effective for removing self-adhesive labels in conjunction with FT 241 SP	0,50	1,00

Additive - defrothing

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>Normal application</b>			
<b>FT 15 FRG</b>	Complexing additive with defoaming action, EDTA / NTA-free, PET-tested	0,10	0,30
<b>Anti-scuffing</b>			
<b>FT 232 FRG</b>	Anti-scuffing additive with defoaming action, EDTA / NTA-free, supports rust ring removal, PET-tested	0,10	0,30

Defoamer

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>FT 14 FRG</b>	Defoamer concentrate	0,02	0,05
<b>FT 21 FRG</b>	Special defoamer for synthetic glue	0,01	0,03
<b>FT 22 FRG</b>	Defoamer concentrate	0,01	0,03
<b>FT 28 FRG</b>	Special defoamer for synthetic glue	0,01	0,03
<b>FT 225 FRG</b>	Defoamer concentrate	0,02	0,05

## Water zones

### Hardness-stabilising

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>pH-lowering</b>			
<b>FT 19 FRG</b>	Acidic, scale prevention agent with hardness-Stabilising additives ingredients for water zones in bottle cleaning systems	ph-control	
<b>FT 31 FRG</b>	Organic, acidic, scale prevention agent for water zones in bottle cleaning-systems, and for removing mineral salt rings.	ph-control	
<b>FT 32 FRG</b>	Organic, acidic, scale prevention agent for water zones in bottle cleaning-systems, and for removing mineral salt rings.	ph-control	
<b>FT 219 FRG</b>	Acidic, scale prevention agent with hardness-stabilising additives for water zones in bottle cleaning systems.	ph-control	

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>sequestration</b>			
<b>FT 17 FRG</b>	Scale prevention agent for water zones in bottle cleaning systems	20-30 ppm/°dH	
<b>FT 31 FRG</b>	Scale prevention agent for water zones in bottle cleaning systems	8-12 ppm/°dH	
<b>FT 242 FRG</b>	Combination additive for sequestration in water zones and for use as an lye additive, EDTA/ NTA-free, PET-tested	ph-control	

Disinfection

Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>FT 103 DES</b>	Active chlorine-based disinfectant	2-6 ppm (Active substance)	
<b>Ökoron®11</b>	Acidic disinfectant with 5% peracetic acid	20-50ppm (Active substance)	
<b>Ökoron®12</b>	Acidic disinfectant with 15% peracetic acid	20-50 ppm (Active substance)	
<b>FT 131 SP/S</b>	Specialist acidic product for creating chlorine dioxide according to the acid chlorate process	0,2-0,8 ppm (Active substance)	
<b>FT 132 SP/L</b>	Specialist alkaline product for creating chlorine dioxide according to the acid chlorate process		

Headroom disinfection

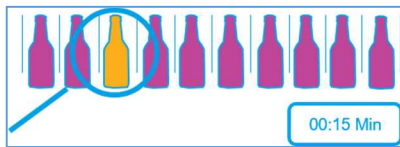
Product information		Recommended usage concentration (%)	
Product	Description	From	To
<b>FINK- Antisept G</b>	Active chlorine-free, neutral biocide for disinfecting bottles	0,5-1,0	
<b>FT 100 DES</b>	Active chlorine-free, neutral biocide for disinfecting bottles	0,3-0,5	
<b>FT 107 DES</b>	Active chlorine-free, mildly alkaline biocide for disinfecting bottles	1,0-2,0	
<b>FT 120 DES</b>	Neutral disinfectant	0,1-0,5%	
<b>FT 131 SP/S</b>	Specialist acidic product for creating chlorine dioxide according to the acid chlorate process	0,5-0,8 ppm (Active substance)	
<b>FT 132 SP/L</b>	Specialist alkaline product for creating chlorine dioxide according to the acid chlorate process		
<b>Ökoron®12</b>	Acidic disinfectant with 15% peracetic acid	200-300 ppm (Active substance)	
<b>Ökoron®10</b>	Disinfectant with active oxygen	500-1000 ppm (Active substance)	

## Cleaning verification

**FINKTEC** recommends Persulphate Technologies – Verification Service for localising organic deposits in rinsed products that are cleaned.

The product **TM-DESANA MAX**, is used to create an on-site test solution having a strong, oxidative cleaning and disinfectant action, as well as an built-in indicator that fills and samples bottles and displays the quality of the cleaning.

Cleaning bottle test



All existing organic contaminant such as proteins, fats, sugar, flavourings, phenolic compounds, oxalate or micro-organisms are quickly oxidatively decomposed by hydroxyl radicals. A built-in indicator shows a colour, change which reliables indicates the presence of these contaminants.

The level of purity can be assessed and analysed directly on site using a digital photographic measuring device in real time mode.

## Applications

A wide range of applications exist within the bottle cleaning sector. **FINKTEC** will be happy to support you in developing the best possible solution for your requirements and help you choose the right products and metering technology.

**Please get in touch. We'll be happy to give you advice!**

**FINK TEC GmbH**  
Oberster Kamp 23  
59069 Hamm

**Phone:** +49 (0) 2385 – 730  
**Email:** [info@finktec.com](mailto:info@finktec.com)



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www.tuv.com  
ID: 9105023001