

OUR EXPERIENCE, YOUR RESULTS

ROLLKEMIK COMPOUNDS

ROLL
WASCH





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Rollkemik Process



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Rollkemik Z



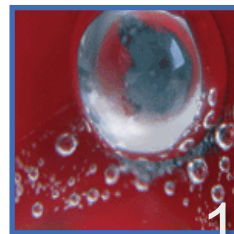
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Abragrip - Abrafin



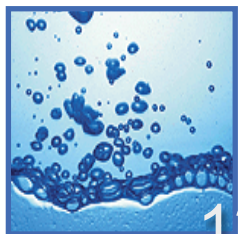
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QUALITY

A symphony of media and chemical compounds specialized for surface finishing, at your full disposal.

The Rollwasch® programme of media and finishing compounds is surely one of the most complete in Europe and in the world. Rollwasch® projects always put the combination “quality - competitiveness” on the top, in the right balance and respect for the environment.

A very dynamic company in terms of research and development, Rollwasch® is always in search of the best balance between finishing solutions and pollution reduction.

La chimica Rollwasch® ha avviato i primi passi di attenzione verso l'ambiente presentando al congresso TF (Trattamenti e Finiture), svoltosi a Parma nel 1991, la sua prima serie di composti senza “inquinanti difficili” (serie Europa). Di fatto ciò ha in pratica anticipato le disposizioni Reach di quasi vent'anni e, nel frattempo, i risultati positivi non si sono fatti attendere. A questo Rollwasch® affianca un continuo sviluppo di prodotti e processi a secco, processi ad umido a basso consumo d'acqua, e ottimi composti depuranti.









Rollkemik Process

Composto Rollkemik Rollkemik Compound	Fe	Inox	Cu	Al	Zn	Pre	Plast
SGRASSAGGIO - DEGREASING CU-1/SP	■	■	■				
FE-L900-B01	■	■	■		■		
IN-L900-B01	■	■			■		
IN-P900-B01	■	■	■		■		
SBAVATURA/LEVIGATURA + PROTEZIONE DEBURRING/SMOOTHING + PROTECTION CU-5/E		■		■		■	■
FE-L401-B22	■	■	■	■	■		
FE-L400-B20	■	■	■				
FE-L400-B44	■	■	■				
FE-10/A	■	■	■				
FE-11	■	■					
SBAVATURA/LEVIGATURA DEBURRING/SMOOTHING ALUTEK	■	■	■				
CU-5/S		■	■	■		■	■
FE-9/E	■	■					
ME-P820-B21			■		■		■



Chemical compounds for finishing processes

The **Rollkemik Process** series includes chemical compounds for the mass treatment of metal and not metal surfaces with basic purposes for the user, such as the waste water treatment facility, the recycling of the purified water, high quality results, competitiveness and quality steadiness.



Composto Rollkemik Rollkemik Compound	Fe	Inox	Cu	Al	Zn	Pre	Plast
LUCIDATURA E LEVIGATURA LUCIDA BRIGHTENING & BRIGHT SMOOTHING FE-L120-B32							■
FE-L120-B32/R							■
ME-L100-B33			■				
ME-L100-N12	■		■	■			
R-101/E				■	■		
RFC-120			■		■	■	■
BRILLANTATURA BRIGHTENING/BURNISHING MAF-521/R			■				■
MAF-851/I			■				
ME-L100-A22			■			■	
ME-L120-A88			■	■	■		■
ME-L120-A90			■		■		■
ME-L101-A22			■			■	
PASTE DIAFINISH - DIAFINISH PASTE DIABRIL-800/P			■				■
DIABRIL-900/P			■				■
DIABRIL-850/P			■				■
PASTE DIAGRIT - DIAGRIT PASTE DIABRIL-888			■				■
IN-P200-N11			■				■

LEGENDA

- Fe = Ferro/Acciaio - Iron/steel
- Inox = Acciaio inox - Stainless steel
- Cu = Rame e leghe - Copper and alloys
- Al = Alluminio e leghe - Aluminium and alloys
- Zn = Zinco e leghe - Zinc and alloys

LEGENDA

- Pre = Metalli preziosi - Precious metals
- Plast = Plastica - Plastic
- = Adeguato - Suitable
- = Buono - Good
- = Ottimo - Very good



Composto Rollkemik Z Rollkemik Z compound	Fe	Inox	Cu	Al	Zn	Pre	Plast
LEVIGANTI PROTETTIVI SMOOTHING WITH PROTECTION							
FE-L400-B20	■	■					
FE-L401-B22/Z	■	■	■	■	■		
R-101-E/Z			■	■	■		
LEVIGANTI/LUCIDANTI SMOOTHING/BRIGHTENING							
ME-L100-N12/Z	■	■	■	■	■	■	
ME-L100-N21	■	■	■	■		■	■
COAGULANTI - COAGULANTS							
WWTC-3020							
ANTISCHIUMA - ANTIFOAMING							
B2							

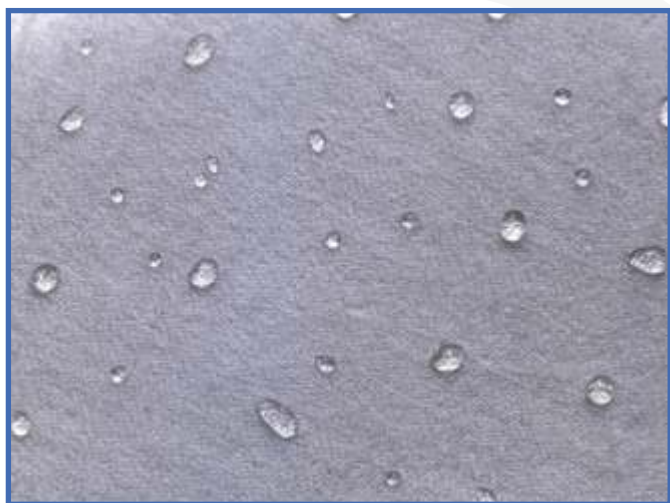


Liquid chemical compounds suitable for closed cycle recycling with centrifugal mud filter plants of the RFC series.

The range of Rollkemik "Z" ("Zentrifuge") compounds, generally distinguished by the final letter "Z", marks out all the formulations specifically designed to operate finishing processes with effluents continuously recycled in closed circuit, through RFC centrifugal filters for muds.

In the picture: tests to detect the percentage and size of residual suspended solids, up to 500 lt/hour capacity it is reported the best quality and lower quantity of residual S.S., increasing the flow up to 1.500 lt/hour or over, the ratio quality/quantity tends to become negative.

Abragrip-Abrafin



Composto Abragrip - Abrafin Compound Abragrip - Abrafin	Fe	Inox	Cu	Al	Zn	No Fe	Plast
ABRA-GRIP-30 Levigante in polvere igroscopica Hygroscopic smoothing powder		■	■				
ABRA-FIN-600 Polvere per lucidatura fine Fine polishing powder			■	■	■		
RFC-121 Liquido per lucidatura fine Fine polishing liquid	■	■	■			■	■

Rollkemik Abragrip & Abrafin are a range of special compounds, to be employed with low water consumption processes

The Abragrip & Abrafin programme is designed to achieve excellent finishing performances with very reduced water consumption. The Abragrip & Abrafin compounds are offered upon technical support of Rollwasch® laboratories and technicians.

LEGENDA

Fe = Ferro/Acciaio - Iron/steel
 Inox = Acciaio inox - Stainless steel
 Cu = Rame e leghe - Copper and alloys
 Al = Alluminio e leghe - Aluminium and alloys
 Zn = Zinco e leghe - Zinc and alloys

LEGENDA

No Fe = Metalli non ferrosi - Non ferrous metals
 Plast = Plastica - Plastic

■ = Adeguato - Suitable
 ■ = Buono - Good
 ■ = Ottimo - Very good



Composto Rollkemik Efi Rollkemik Efi Compound

PRELUCIDATURA - PRE-POLISHING

PLP-1; PLP-2

Crema per la pre-lucidatura di diversi particolari in plastica, metalli e materiali naturali, in buratti.
Pre-polishing cream for plastic, metal and natural parts in barreling machines.

SGROSSATURA - ROUGH-SHAPING

PSG-05; PSG-10

PGS-15; PSG-20; PSG-30;

Pasta pre sgrossatura di vari particolari in plastica, materiali naturali ed anche metalli, in buratti.

Rough-shaping paste for plastic, natural and also metal parts, usually in barreling machines.

SUPER LUCIDANTI - SUPER POLISHING

LP-05; LP-10; LP-15;

LP-20

Crema per la superlucidatura brillante di svariati particolari in plastica e in materiali naturali, in buratti di legno etc.

Bright super-polishing cream for plastic and natural parts - usually in wooden barreling machines, etc.

LEVIGATURA E LEVIGATURA FINE SMOOTHING & FINE-SMOOTHING

PL-LF/05; PL-LF/15;

PL-LF/20;

Polvere per levigatura e levigatura fine di pezzi in plastica, materiali naturali e metallo - generalmente usati con nostro olio **DRYBOND-S** oppure paste/creme.

Smoothing and fine smoothing powder for plastic, natural and also metal parts - usually used with our oil **DRYBOND-S** or creams/pastes.

Composto Rollkemik Efi Rollkemik Efi Compound

LEVIGATURA E LUCIDATURA SMOOTHING AND POLISHING

DRYBOND-S/10; DRYBOND-S/11; DRYBOND-S/15;

DRYBOND-S/16;

DRYBOND-S

DRYBOND-S/D

Olio - aggiunta generale oppure soltanto al bisogno, in diversi processi di burattatura, assieme ad altri prodotti per il trattamento di pezzi in plastica, materiali naturali e in metallo.

Oil - Additional product in general or to be used only in case of need, suitable for several barreling processes, usually with other products, for plastic, natural and metal parts.

LEVIGATURA FINE - FINE SMOOTHING

PLF-20 PLF-10

Pasta per levigatura fine di diversi particolari in plastica, materiali naturali ed anche in metallo, solitamente in buratti etc.

Fine smoothing paste for plastic, natural and also metal parts, usually in barreling machines etc.

LUCIDATURA BRILLANTE - BRIGHT POLISHING

TAS/05; TAS/10; TAS/15

Talco speciale per lucidatura finale a secco di vari pezzi in metallo, in buratti ed altri impianti, con granulati di lucidatura o eventualmente con olio **DRYBOND-S/16** oppure **DRYBOND-S/10**.

Special talc powder for final dry polishing of metal parts by means of barreling machines or other plants, usually with polishing grits or with oil type **DRYBOND-S/16** or type **DRYBOND-S/10**.

“Efi” is the denomination of this series of compounds (and media) studied for particularly “efficient” and preferably dry processes.

The table summarized in this leaflet give an overall information and a macroscopic guideline.

Further details and explanations are reported in the technical datasheet of the recommended product.

The test report, finally, identifies in detail the compound type, the exact way of use (with which kind of machine) and can give the most usefull information to reach the required result.

Composto Rollkemik Efi Rollkemik Efi Compound

PRE-LUCIDATURA - PRE-POLISHING

C-PREL/05; C-PREL/15;

Crema per la pre-lucidatura e la levigatura di diversi pezzi in metallo, sia in buratti sia in impianti a forza centrifuga.

Pre-polishing and smoothing cream for metal parts, both in barreling machines and in centrifugal force plants.

LUCIDATURA BRILLANTE, FINITURA BRIGHT POLISHING, FINISHING

CBF/15; CBF/10;

CBF/25S; CBF/18S;

Crema per lucidatura finale brillante di diversi pezzi in metallo in buratti, impianti a forza centrifuga etc., con granulati impregnati o chips in legno.

Cream for bright final polishing of metal parts in barreling machines, centrifugal force plants etc., with pre-mixed grits or wooden chips.

Composto Rollkemik Efi Rollkemik Efi Compound

LEVIGATURA FINE - FINE SMOOTHING

CREL-F/05; CREL-F/30;

CREL-F/15S; CREL-F/35

Crema per levigatura fine di diversi pezzi in metallo, in buratti oppure impianti a forza centrifuga.

Fine smoothing cream for metal parts, in barreling machines or centrifugal force plants.

SGROSSATURA - LEVIGATURA ROUGH SHAPING - SMOOTHING

CRA-S/10;

Crema abrasiva per sgrossatura di diversi pezzi in metallo, in buratti o impianti a forza centrifuga.

Abrasive rough-shaping cream for metal parts, in barreling machines or centrifugal force plants.

FINITURA SUPER - SUPERFINISHING

SUFI/10; SUFI/10X

Polvere per lucidatura finale brillante di vari pezzi in metallo, in buratti e impianti di finitura - specialmente con granulati speciali impregnati molto fini.

Powder for bright final polishing of metal parts in barreling machines and finishing plants, especially combined with very fine pre-mixed polishing grits.

“Efi” is the denomination of this series of compounds (and media) studied for particularly “efficient”, or better dry processes.

In all the tables it is shown an increasing or decreasing graphic symbol. When the symbol is decreasing towards right, the listed products are, respectively, from the biggest to the finest one. When the symbol is increasing towards right, the listed products are, respectively, from the finest to the biggest one.

The differences, often, are only few microns.



Rollkemik Abrakem



Composto Rollkemik Abrakem Rollkemik Abrakem Compound

FASE ACIDA - ACID PHASE

ABRAKEM-202

Azione bilanciata su leghe di acciaio
Balanced action on all steel alloys

ABRAKEM-200 + ABRAKEM-200-A

Azione mirata su acciaio temperato
Specific action on hardened steel

ABRAKEM-200 + ABRAKEM-200-I

Azione mirata su acciaio temperato
Specific action on hardened steel

ABRAKEM-200 + ABRAKEM-200-X

Ideale per acciaio inox martensitico
Suitable for martensitic stainless steel

FASE DI PASSIVAZIONE PASSIVATION PHASE

FE-L120-B32

Liquido lucidante e passivante
Brighting and passivation liquid

FE-L120-B32/R

Liquido lucidante e passivante
Brighting and passivation liquid

RFC-120

Liquido lucidante e passivante
Brighting and passivation liquid

	Fe	Inox	Cu	Al	Zn	No Fe	Plast
ABRAKEM-202	■						
ABRAKEM-200 + ABRAKEM-200-A	■						
ABRAKEM-200 + ABRAKEM-200-I	■						
ABRAKEM-200 + ABRAKEM-200-X		■					
FE-L120-B32	■	■					■
FE-L120-B32/R	■	■					■
RFC-120	■	■	■			■	■

Rollkemik Abrakem is a range surface conversion treatments and superfinishing of high precision components.

ABRAKEM PROCESS: The ABRAKEM process is the result of research and development carried out for over 20 years. It is a conversion process achievable through the combination of ROLLWASCH vibrating machines, special ceramic media and specific chemical compounds. The ABRAKEM process is particularly indicated on hardened steel and stainless steel. In the first process phase (pH 1 - 2) the chemical compound, thanks to the special ceramic media, performs a conversion action of the metal surface. This causes a roughness removal and a very quick and careful surface roughness reduction.

PASSIVATION: The ABRAKEM phase is automatically followed by this second phase, which has the double function to make the metal surface inert and, at the same time, to highlight its super-smoothed aspect thanks to a cleaning/brightening action (or opaque/satinized in case of aesthetic/functional requirements).

Composto Rolldepur Rolldepur compound

CICLO A BATCH - BATCH CYCLE

WWTC-2003

Flocculante primario
Primary flocculant

CICLO IN CONTINUO - CONTINUOUS CYCLE

WWTC-2100

Flocculante primario
Primary flocculant

WWTC-3002

Polielettrolita
Polyelectrolyte

CORREZIONE PH - PH CORRECTION

WWTC-3009

Correttore acido
Acid corrector

WWTC-3007

Correttore alcalinico
Alkaline corrector

WWTC-3006

Correttore acido
Acid corrector

VARIE - OTHER

WWTC-3300

Antibatterico
Antibacterial

MAF-852

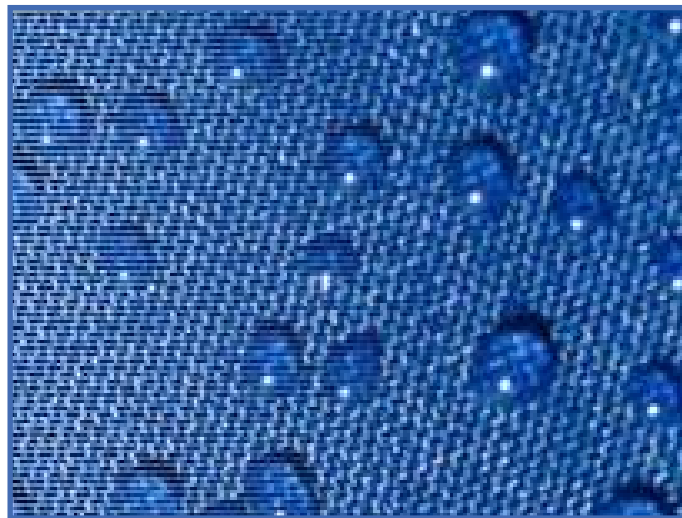
Correttore alcalino
Alkaline corrector

Antischiuma silconico

Additivo per abbattimento schiuma
Foam reducing additive

WWTC-3020

Coagulante
Coagulant



Rollkemik Depur is the line of Rollwasch® products to solve waste water treatment problems.

The Rollkemik Depur series is structured in order to offer excellent waste water treatment compounds, mainly for physical-chemical plants with absorbing, thickening and flocculating properties. Thanks to the specific Rollwasch experience in the surface finishing field, we are able to offer several formulations according to the quality and origin of the waste water to be treated; or simply depending on the plant type.

The Rollkemik Complement series includes products for waste water treatment support. Among this kind of products are also available filtering cloths or bags of several types, active carbons, filtering sands and granulates for column with specific features according to the organic waste water residuals to be adsorbed or filtered, so that to complete the Rollwasch range of consumables.



REACH regulation - acronym of Registration, Evaluation, Authorisation and restriction of Chemicals

Reach Regulations (declaration to the user)

As it is well known, on 1st June 2007 came into force the REACH, i.e. the new European regulations, whose purpose is to permit a responsible use of the chemical substances. It will be steadily granted by studies on the environmental impact and on the human health through the Registration at the European Union competent organization both of the new substances and of the ones already existing on the market.

The complete application of the Regulations requires a time interval of 11 years and therefore ended in year 2018.

This phase included a first period, ended on 1st December 2008, during which the companies could pre-register their manufactured and/or imported substances in order to maintain their presence on the market.

Being our company a “final user” of substances, we have provided to ask to our raw materials suppliers to make the pre-registration of all the substances we buy and use in the formulations of the products of our production and/or supply.

Up to today, we can assure you the absolute availability of our suppliers of raw materials and substances, who has informed us to have made the pre-registration of the same, moreover we confirm you that in the Rollkemik compounds there isn't any SVHC substances presence.



Quality, according to Rollwasch®.

Quality, according Rollwasch®, is a reason for continuous growing and attention.

Each product, each device, each machinery is subjected to an endless series of checks and reviews, starting from planning, going through prototyping, till the pre-production and standard production.

Giving wide space to the communication and to the quality of opinions exchange among experienced co-operators, the range of Rollwasch® products and machinery is in continuous improving and updating.



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