



PATCHAM

# PVC HEAT STABILIZERS



## Company Profile

Patcham (FZC) is a Sharjah, UAE based manufacturer of **Patstab** range of PVC heat stabilizers and **Pat-Add** range of additives for PVC processing.

We produce a range of liquid and powdered mixed metal complexes, Organo-Tin, Ba/Zn, Ba/Cd, Ba/Cd/Zn, Ca/Zn, mercaptide and one-pack solid stabilizers. The additives include wetting & dispersing agents, air release & defoaming additives, processing aids and viscosity depressants.

An ISO 9001:2015 company, our products are sold all over the Middle East, North America, South America, Africa and Asia.

The products are developed at our in-house R&D center, backed by a fully equipped PVC applications laboratory. The lab has the latest testing equipment to measure performance such, as heat stability, rheology, color, air release, surface characteristics, Congo red, electrical properties and others. Along with the standard testing, Patcham Laboratory is also equipped with lab scale machines perfectly operational, capable of replicating and simulating the processes to develop robust formulations for our customers.

## PVC Heat Stabilizers

### Liquid Mixed Metal Stabilizers

#### Chemical foam kickers

Flexible application	Ba/Zn	Ba/Zn	Ca/Zn	K/Zn	K/Zn	K/Zn	Zn	Zn
	321K	305	419K	701	702	710	709	711
Plastisol application	■	■	■	■	■	■	■	■
VOC free							■	■
2-EHA free								■
Nonyl Phenol free			■	■	■	■	■	■
Phosphite free	■		■	■	■	■	■	■
Kicker Effect	Moderate	Med/Fast	Moderate	Fast	Med/Fast	Med/Fast	Fast	Fast

#### Ca / Zn

Flexible application	CZL 65	CZL 65F	CZL 18	CZL 36PTF	CZL 46	405	428	410	436	438
Flexible Calendering			■		■	■				
Extrusion	■	■	■	■	■	■	■	■	■	■
Flexible Injection Mould			■		■	■				
Flexible Blown Film					■	■				
Flooring Top Coat	■	■	■	■	■	■	■	■	■	■
Flooring Base Coat			■		■	■				
Plastisol Application	■	■	■	■	■	■	■	■	■	■
Transparent application	■	■	■	■	■	■	■	■	■	■
Low VOC	■	■	■	■	■	■	■	■		■
Low / No Odour			■	■	■	■	■			■
Low Phenol/Phenol free				■			■	■		
2-EHA, PTBBA free				■	■	■	■	■		
Nonyl Phenol free				■			■	■		
Phosphite free				■						
Early Colour/brightness	■	■	■	■	■	■	■	■	■	■
Long Term Stability			■		■	■	■	■		■
Indirect Food Contact		■		■						

## PVC Heat Stabilizers

### Liquid Mixed Metal Stabilizers

#### Ba / Zn

Flexible application	302	302 (TP)	308	318	324	328	336	342
Flexible Calendering	■	■	■	■		■		■
Semirigid Calendering	■	■	■	■		■		■
Extrusion	■	■	■	■	■	■	■	■
Injection Moulding	■	■	■	■				■
Flexible Blown Film	■	■	■	■				■
Flooring Top Coat	■	■	■	■	■	■	■	■
Flooring Base Coat			■	■		■		■
Plastisol Application	■	■	■	■	■	■	■	■
Transparent application	■	■	■	■	■	■	■	■
Low VOC	■	■	■	■				■
Low phenol / Phenol free								■
2-EHA / PTBBA Free								■
Nonyl Phenol Free			■					■
Self Lubrication			■	■				■
Early Colour/brightness	■	■	■	■	■	■	■	■
Long Term Stability	■	■	■	■		■		■

#### Ba / Cd / Zn

Flexible application	201	202	205	206	207	208	210	212	214	235
Flexible Calendering	■	■	■	■			■		■	■
Semirigid Calendering	■	■		■			■		■	
Extrusion	■	■	■	■	■	■	■	■	■	■
Flexible Injection Mould	■	■	■	■	■		■		■	■
Flexible Blown Film	■	■	■	■			■		■	■
Flooring Top Coat	■	■	■	■	■	■	■	■	■	■
Flooring Base Coat	■	■	■	■			■		■	■
Plastisol Application	■	■	■	■	■	■	■	■	■	■
Transparent application	■	■	■	■	■	■	■	■	■	■
Low VOC		■							■	
Self Lubrication		■								
Early Colour/brightness	■	■	■	■	■	■	■	■	■	■
Nonyl Phenol Free		■							■	■
Long Term Stability	■	■	■	■			■		■	■

## Patcham PVC Heat Stabilizers

### One Pack Solid Stabilizers

#### Ca/Zn Solid One Pack For Cable

Meet the requirement of several standards in Congo Red, Volume Resistance (VR), Tensile Strength & Elongation.

Compounds meet the requirements of the following standards for 70° C - 90° C/158° F - 194° F cable application

- BS EN 50363-3:2005 Type TI-1
- BS 7655-4.2:2000-PVC Sheathing compounds Type 5, Type 6, Type 9
- BS EN 50363-3:2005
- IS:5831 - Type A & Type B
- IS:5831 - ST1 ST2& ST3

Compounds meet the requirements of the following standards for 105° C - 125° C cable application

- BS EN 50363-3:2005 Type TI-3
- IS:5831 - Type C

#### Ca/Zn One Pack Solid PVC Heat Stabilizers - PATSTAB

Application	7003/A1	7031/A	7034/A	7044/A	7049/A	7051/A	7052/A	7058/A	7432/A	7433/A	7435/A	7531/A	7541/A	7631/A	7632/A	9003/A	Malstab 105A
Cable-service temprature 70° C-90° C	■	■	■	■	■	■	■	■	■		■				■		
Cable - Sercive temprature 90° C-105° C	■	■		■		■											■
Cable-service temprature 105° C-125° C			■				■										
Insulation / sheating								■									
Transparent flexible extrusion, blow/injection	■	■	■	■	■	■	■	■									■
Flexible waterstops, electrical mats		■	■												■		■
Semi rigid transparant/opaque calendering															■	■	
Rigid PVC Pipe - Plumbing										■	■						
Rigid PVC suction hose					■				■						■		
Rigid PVC conduit, channels and cable ducts										■							
Rigid PVC window and door Profiles												■					
Rigid PVC injection molded fittings													■				
Rigid LVT																	■

## Organo Tin Mercaptide

Application	Methyl Tin Mercaptide			
	2501	2503	2505	2507
Calendering - Rigid / Flexible	■	■	■	■
T- Die extrusion	■	■	■	■
Blown film - Rigid/flexible	■	■	■	■
Foam board	■	■	■	■
Extrusion	■	■	■	■
Injection molding	■	■	■	■
Blow molding	■	■	■	■
Very Good Initial Colour	■	■	■	■
Crystal Clarity	■	■	■	■
Very Good Weldability	■	■	■	■
Non Toxic	■	■	■	■



PATCHAM

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