

TUVNORD
ISO 9001:2015
Certified Company


KARSHATI
ENDURING EFFICIENCY

GALVANIZING CHEMICALS



KARSHATI GREENTECH CHEMICALS

Empowering The Galvanizing Industry Through Innovative,
Energy Conservative & Sustainable Chemical Solutions.

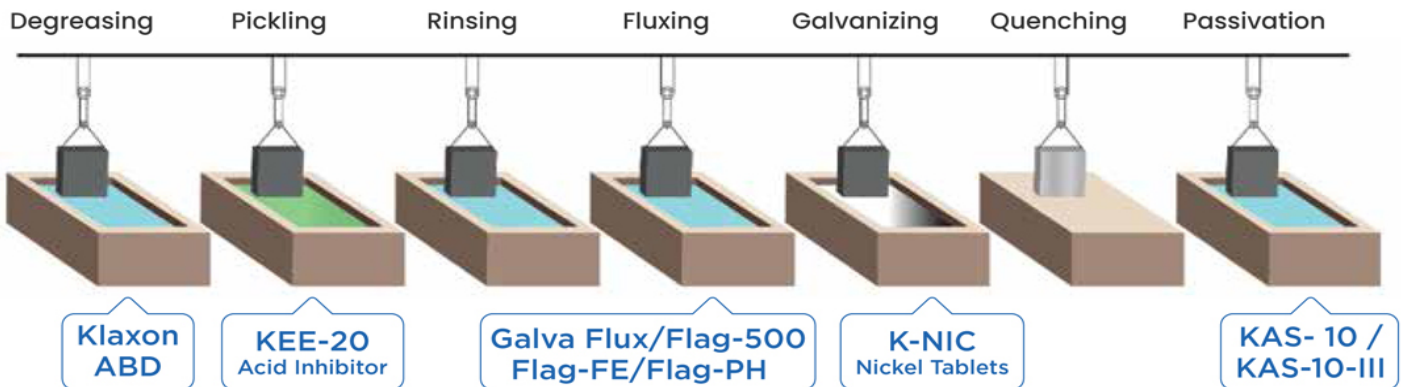


WHY LEADING GALVANIZERS CHOOSE KARSHATI

- ▶ Superior surface finish of the galvanized material
- ▶ Low ash & Dross Formation
- ▶ Reduction in zinc consumption
- ▶ Uniform zinc coating
- ▶ Reduction in operation cost
- ▶ Reduction in rework
- ▶ Eco-friendly & RoHS compliant formulations
- ▶ One roof metal surface preparation solutions like Electroplating, Powder coating and Galvanizing.

OUR STRENGTH

- ▶ Over 25 years experience in Galvanizing chemical manufacturing
- ▶ More than 200 Satisfied Customers across the Globe
- ▶ Highly qualified & efficient staff
- ▶ Best quality products & good technical services
- ▶ Process consultancy & technical back up
- ▶ Competitive product pricing
- ▶ In-house R & D Department
- ▶ Certified chemicals by globally renowned agency



OUR PRODUCT RANGE

1 Klaxon -ABD Acid-based degreaser

Special Advantages:

- ▶ No water rinsing required after degreasing hence Saving in water, operation time & waste water treatment cost
- ▶ Helps in reduction of black spots & related rejections
- ▶ Pickler acid saving up to 20%
- ▶ Biodegradable and Non-inflammable
- ▶ No side effects on the metallurgy of material

2 KEE-20 Acid Inhibitor

Special Advantages:

- ▶ Complete Inhibition of corrosion of metal surfaces and suppression of acid fumes during the pickling process
- ▶ Reduce acid consumption during the pickling process
- ▶ Inhibit Nascent Hydrogen attack on the metal surface thus prevents Hydrogen embrittlement
- ▶ Helps produce higher quality metal surfaces
- ▶ Enables the solution to drain-off quickly, thus higher productivity

3 PLATINUM FLUX - NI/II/III Pre-Flux for Galvanizing

Special Advantages:

- ▶ Reduction in Ash and Dross formation
- ▶ Uniform and controlled zinc coating resulting in zinc saving
- ▶ Provides further protection to base metal from oxidation
- ▶ Acts as a catalyst and activated base metals rapidly
- ▶ Low fume formation at the time of dipping
- ▶ Complete removal of formed oxides after pickling and rinsing

5 FLAG-500 Flux Additive

Special Advantages:

- ▶ Proper metal surface preparation before Zinc Coating through wetting.
- ▶ Increases the solubility of flux powder.
- ▶ Reduction in flux consumption by quick drainage of excessive flux solution
- ▶ Quick drying hence reduction in spattering and saving zinc
- ▶ Reduction In Dross/Ash formation because of optimum flux coating

7 KAS-10 Deoxidant & Passivation

Special Advantages:

- ▶ Ready to use liquid concentrate Suited for dip Galvanizing process
- ▶ Produces scratch resistant, light to yellow layer.
- ▶ Provides long hours of protection from white rust

9 Other Products

Flag-FE :

Additive for Iron control in flux

Flag-pH :

Additive for Boosting pH in flux and rinsing water

Karshati's Special Flux :

Ammonium Chloride Powder for Galvanizing

Karshati's Super Special Flux :

Zinc Chloride Powder for Galvanizing

4 PLATINUM FLUX - LQ Liquid Pre-Flux for Galvanizing

Special Advantages:

- ▶ Quick flux bath preparation
- ▶ Wide range of specific gravity
- ▶ Suitable for large capacity flux tank
- ▶ LQ flux helps to restore ACN number
- ▶ More suitable for sundry Galvanizing
- ▶ Provides further more protection to base metal from oxidation
- ▶ Reduction in Ash and Dross formation

6 K-NIC Nickel Tablets

Special Advantages:

- ▶ Reduction of zinc consumption up to 12%
- ▶ Easy to Use, Fast application & quick result
- ▶ Uniform and aesthetics appearance of galvanized material
- ▶ Reduction in spikes & lumps of the material
- ▶ Arrest the rate of reaction between molten zinc and material components

8 KAS-10 - III Hexa Chrome free Passivation

Special Advantages:

- ▶ Hexavalent Chrome free based formulation along with water soluble polymers
- ▶ Suitable for hot dip Galvanizing & applicable at room temperature
- ▶ Produces clear, slightly iridescent passivation layers
- ▶ Fulfills ELV, RoHS and WEEE. compliances



SOME OF OUR VALUED CUSTOMERS



307. City Space, Pune-Nagar-Highway,
Viman nagar, Pune-411014



+91- 97654 08404 | 98231 08406 | 92230 08408



Karshati@gmail.com | Info@karshati.com



karshati.com



Website QR



LinkedIn QR

Sustainable Chemical Solutions for AAC Block Industry

SOLUBLE OIL FOR AAC

KVN-108

FOR FLY ASH WITH HIGH CARBON CONTENT I.E. < LOI



KVN-90

FOR FLY ASH WITH LOW CARBON CONTENT I.E. < LOI



KVN-84

FOR SAND OR ROCK DUST BASED AAC BLOCKS



Product Description

KVN-108/90/84 is a liquid admixture designed for manufacturing environment-friendly products like lightweight Autoclaved Aerated Concrete Blocks (AAC). It plays a crucial role in controlling reactions between various ingredients, such as Aluminium Powder, Lime, Cement and Silica from fly ash.

Advantages

- > Reduction in mould shrinkage related problems
- > Minimizes vertical, horizontal and rising cracks
- > Regulates the rate of reaction between Lime & Aluminium
- > Eco-friendly product
- > Forms uniform cell structures, enhances block strength.
- > Increased productivity
- > Provides strength to cells at the green stage



Rising Cracks



Rising Cracks



Middel Cracks



Corner Chipping



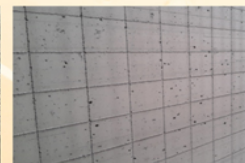
Early Gas Release



Mould Collapse



AAC cell Structure with Cavities



Air Cavities on Rising side



Total Breakages

Operating Conditions

Temperature:

Works at room temperature.

Dosage:

300-500 ML per CBM
*However dosage varies as per the change in raw material qualities and weather conditions.

Agitation:

Shake well before use.

Time of Mixing:

After pouring slurry & water but before dry materials.

Packaging

200 Kg HDPE barrels or Tanker Load.

Storage

Store at room temperature, away from strong oxidizers and combustible materials.

Shelf Life

24 Months from the date of manufacturing

MOULD OIL FOR AAC

KMRO-90



Advantages of Mould oil

- › Prevents chipping and reduces breakage.
- › Ensures smooth and easy release of blocks from moulds.
- › Made without harmful or toxic chemicals.
- › Easy to apply.
- › Readily available in bulk quantity.
- › It does not contain any foaming agent.

Packaging

210 Liter HDPE barrels or Tanker Load.

Shelf Life

6 Months from the date of manufacturing

Storage

Store at room temperature, away from strong oxidizers and combustible materials.

Operating Conditions for Hardener

Temperature:

Works at Room Temperature.

Dosage:

300-500 ML per CBM

Agitation:

Shake well before use.

Time of Mixing:

After pouring slurry & water but before dry materials.

Packaging

230 Kg HDPE barrels

Storage

Store at room temperature, away from strong oxidizers and combustible materials.

Shelf Life

6 Months after from the date of manufacturing However once packing opened it should be consumed within 60 days

Advantages of Hardeners

- › Reduced Water content for higher strength
- › Better surface finish
- › Long slump retention for sustained workability
- › Saving in binder material
- › Increased compressive strength
- › Reduces brittleness
- › Increased workability
- › Improved durability by reducing permeability
- › Overall Cost saving

Hardener For AAC

KVN-NCS-45



