Aerographic Papers

A trusted name for rust/corrosion free packaging..since 1995

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Aerographic's Packaging System for Coils

Steel mills generally pack the CR as well as GI coils / sheets in polythene strips / Hessian cloth. This packing system was known as bandage packing, where the coils are wrapped with packing material of 8”–10” width packing material. This kind of packing has the following drawbacks:

•Though they are overlapped, but still there are huge gaps between the layers. These gaps allow moisture and air to reach the metal surface and cause corrosion
•Slipping of the layers exposes the metal surface to atmosphere which in turn causes corrosion.
•The packing process is time consuming which increases labor cost.
•The process consumes more packing material which increases budget cost.
•If coils get rusted, the major portion of these steel coils are used in the automobile sector, where rusted sheets, even after the process of sandblasting or removing the rust cannot be used for quality reasons.

Advantages of Aerographic's VCI HDPE HD 115/A Paper:

Aerographic's Seaworthy Packaging System developed for packing steel coils overcomes these problems completely. It provides superior protection to the steel coils and ensures that the end user receives the coils in factory fresh condition. The overall packing works out economical over the customary packing.

Aerographic's Seaworthy Packaging System, involves using a single sheet of multi layered VCI chemical treated paper to wrap around the coil, as the primary packing material instead of the normal polythene strips. An outer layer of stretch film or ordinary polythene film can be used which is optional. This is followed by the use of edge guard, strapping, metal foil packing etc depending on the product and the destination.

Coil Packaging In 9 Simple Steps

1

Fresh edges slitted coil from mill

2

Placing the coil on HDPE fabric laminated VCI paper & metal sheet

3

Wrapping the coil in HDPE Fabric Laminated VCI paper & metal sheet

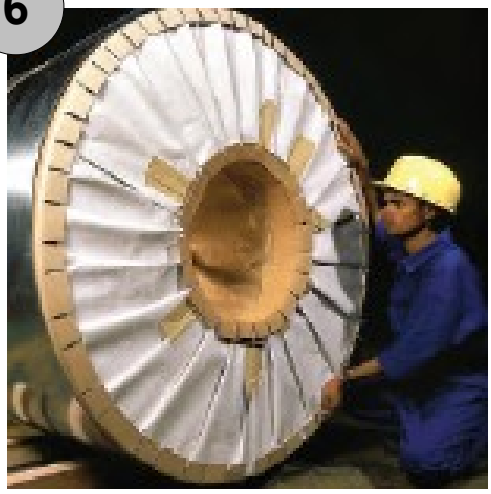
4

Strapping around the OD to hold the VCI paper & metal sheet on the coil

5

Tucking the VCI paper in to cover the edges and ID

6



Fixing the paper edge guard on the OD and ID

7

Fixing metal protectors on the sides and metal edge protectors on ID & OD straps

8

Coil Packing complete

9

Coil awaiting dispatch

Specifications and Test Results of HD 115/A

Technical Specifications

Kraft Paper	75 GSM
HDPE Fabric 10x10 mesh	60 GSM
LDPE 20 x 20 GSM	40 GSM
Total	**175 GSM**
*VCI Coating done on it	20 GSM
*After evaporation it finally remains of	12 GSM

1. Thickness of Material = 180 gm +- 10%
   Layer 1 - LDPE Lamination 20 X 20 GSM
   Layer 2 - HDPE Fabric 60 GSM – Mesh Size 10x10 mesh
   Layer 3 - LDPE Lamination 20 GSM
   Layer 4 – VCI Paper 75 GSM
   Coating – 20GSM
2. Burst Factor of Paper – 4.5 kg/sq cm
3. Burst Factor of HDPE - 12.3 kg/ sq cm
4. Tear Factor DIR I– 1285
5. DIR II – 800
6. Weight of total uncoated material – 170- 180 grams per sq m (High Heavy Duty)
7. pH of treated Paper – 7.0 +- 1
8. Vapour inhibiting humidity chamber test for 120+hours – **PASS**
9. Contact corrosion test in humidity chamber test for 120+ hours – **PASS**
10. Water penetration test for 16 hours - **PASS**

Salt Spray Report

Test Method	ASTM B-117
Test Solution	5% Sodium Chloride in DI Water
PH Of Fog Controlled	6.5-7.2 at 35°C

Observation After 96 Hours:
No red rust, No white rust observed.