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Hot-Dip Galvanizing Process – Environmental Impacts

Steelscape produces hot-dip galvanized (TruZinc®) and Galvalume® (ZINCALUME®) steel. Throughout our manufacturing process we strive to ensure that the impact to the external environment is minimal. In an effort to clarify the hot-dipped process and its impact on the environment, we have created this document which addresses some Frequently Asked Questions.

Where do the hot-dip ingredients come from? Zinc is an ore that is mined out of the ground. It goes through a smelting process. Our hot-dipped galvanized product utilizes 99.9% zinc.

How are they obtained? They are mined. The environmental impact from the mining process is minimal.

Is the galvanizing process done overseas and the processed metal sent to the US? Steelscape's galvanizing process is done in the U.S.

Are your facilities governed by regulating bodies to ensure harmless emissions with regards to air quality and water quality? Yes.

What happens to the waste generated by the galvanizing process? We generate dross (oxidized zinc) which gets recycled. We also can produce chrome fumes at a rate of .0008 lbs per year (well under state and federal limits). Finally, we produce some chrome waste water which we recycle to a non-toxic waste.

Can the waste be reclaimed? Most can be reclaimed.

If you need more information or have further questions, please contact your Steelscape sales representative, or Steelscape directly at (888) 553-5521 or at productinfo@steelscape.com.

Sincerely,



Michelle Vondran
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ZINCALUME® is a registered trademark of BlueScope Steel Ltd.