

SmoothForm Aqua 2800

Water Based Metal Forming Fluid

Description:

SmoothForm Aqua 2800 is a pourable thick fluid containing specially selected anti wear agents, corrosion inhibitors and emulsifies to give excellent lubrication and good press tool and die life.

Applications:

SmoothForm Aqua 2800 is recommended for use in light to heavy metal forming operations where water-washable products are required and also for all sheet metal drawing operations including deep drawing of cold rolled and coated sheet strip.

SmoothForm Aqua 2800 is compatible with Electrocoat Paint Systems and with other downstream processes including phosphating systems.

SmoothForm Aqua 2800 can be used either in neat form or diluted with water for less arduous operations to adjust viscosity to desired level. A maximum dilution of 1 part **SmoothForm Aqua 2800** to 3 parts water is recommended. It is recommended that the consistency of **SmoothForm Aqua 2800** is adjusted to desired level by controlling water addition.

SmoothForm Aqua 2800 is specially recommended for applications like fuel tank forming using Zn-Ni coated steel or stainless steel. Drawing applications presently using polythene sheets dipped in soluble cutting oil, use of **SmoothForm Aqua 2800** will avoid the usage of polythene sheets.

Features & Benefits:

- Easily pumped and can be applied by brush, roller or spray system. . May be applied through central lubricator or drip feed.
- Easily washed off using aqueous cleaners and is easily removed after storage of finished parts
- E-coat compatible and can be used with confidence where parts must be electrocoated. Minimal risk of E-coat contamination.
- Flexibility in operations.
- Non-staining – can be used on most ferrous materials. One product for all forming operations – minimizes inventory.
- Water miscible - product can be mixed with water for less severe drawing operations. Maximizes economy of use.

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Technical Data

Characteristics	Test Method	Unit	SmoothForm Aqua 2800
Appearance	Visual	-	Clear, Thick Liquid
Colour	Visual	-	Yellowish Amber
Density @ 25°C of oil	*CTM	gms/cc	1.0
Viscosity @ 40°C	ASTM D-445	cSt	350 – 400
Flash Point (COC) [min.]	ASTM D-92	°C	Boils at 100
Four Ball Weld Load	ASTM D-2596	kgs	500
Copper Strip Corrosion Test	ASTM D-130	Rating	1b
Emulsion in 400 ppm water (product water, 1:1)			
Emulsion, Colour	-	-	Creamish
Emulsion pH	-	-	8.0

The above figures are typical values and do not constitute a specification.

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MSDS available on request.

Due to continual upgradation of products above data is subject to change without notice.

This supersedes our previously issued data sheets.

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