

TECHNICAL INFORMATION

URETHANES

PRODUCT NAME

HYDRO ACTIVE[®]

Cut Cat F/XF

Hydrophobic Polyurethane Accelerators

MANUFACTURER

De Neef Construction Chemicals, Inc.
5610 Brystone Drive
Houston, TX 77041
1(800) 732-0166

PRODUCT DESCRIPTION

HYDRO ACTIVE[®] Cut Cat F/XF are designed to be mixed with Hydro Active[®] Cut for filling large voids such as rock fissures, gravel layers, joints/cracks in concrete structures and for the cut-off of gushing water with a high to very high pressure and speed. **Cut/Cat-F/XF** are recommended for use in cold temperatures when the use of the standard Cut Cat does not result in a fast enough reaction. **Cut/Cat-F** is used in 5-10% mixing ratio. **Cut Cat- XF** is used in 10% mixing ratio. Non-flammable, solvent free. Final foam is resistant to most organic solvents, mild acids, alkaloids and microorganisms. Very fast reaction: as fast as less than 60 seconds in salt water at 26.6° F, still giving 15X expansion.

APPROPRIATE APPLICATIONS

- Sealing larger volume leaks thru concrete cracks and fissures
- Cold Weather Grouting

ADVANTAGES

- Reaction time can be controlled with HYDRO ACTIVE[®] Cut Cat F/XF
- Speeds reaction time in extremely cold weather

PACKAGING

HYDRO ACTIVE[®] Cut Cat F/XF Accelerator:

- 32 oz. cans.
- 5.0 gallon metal pail

TYPICAL PROPERTIES

HYDRO ACTIVE[®] Cut Cat F/XF

Appearance	Blue transparent liquid	
Viscosity @77°F	F 33 cps XF 40 cps	ASTM D 2196 A
Flash Point	320°F	ASTM D 93
Corrosiveness	Non-corrosive	
Density	1.04 g/cm ³	

The data shown above reflects typical results based on laboratory testing under controlled conditions. Reasonable variations from the data shown above may result.

Reactivity

HYDRO ACTIVE[®] Cut Cat F

T	% F	Start sec	React min: sec	Expand X
26.6°F	5	35	2:40	±20
	10	24	1:35	±20
41°F	5	30	2:12	15-20
	10	20	1:26	15-20
68°F	5	25	1:56	20-25
	10	16	1:06	20-25

HYDRO ACTIVE[®] Cut Cat XF

T	% XF	Start sec	React min: sec	Expand X
26.6°F	10	18	:51	15
41°F	10	16	:44	20
68°F	10	13	:35	20

5% = 32 ounces per 5 gallon pail
10% = 64 ounces per 5 gallon pail

LIMITATIONS

Please refer to DeNeef's Cold Weather Grouting procedure.

CAUTION: pH NOTICE. Water used to activate HYDRO ACTIVE® Grouts must be in the pH range of 3 –10 for optimum foam quality.

SURFACE PREPARATION

Refer to DeNeef Surface Preparation Guidelines for more details.

INSTALLATION PROCEDURES

Prior to installation, both the grout and accelerator must be agitated separately before combining by vigorously shaking the containers or by mixing with a jiffy mixer. Pour the desired amount of **HYDRO ACTIVE® Cut** into a clean pail. Measure the appropriate amount of **HYDRO ACTIVE® Cut Cat F/XF** and pour it into the grout and stir until adequately mixed. The grout should never be used with more **HYDRO ACTIVE® Cut Cat F/XF** than the amount recommended on this data sheet. Excess acceleration will cause vigorous expansion that is prone to shrinkage. During injection the grout will follow the path of least resistance. When the material has stopped penetrating it will continue to expand against the confines of the crack/joint and compress within itself, forming a very dense, closed cell material stopping the leak.

Please refer to the **HYDRO ACTIVE® Cut** data sheet for additional information.

For application procedures in extreme temperatures and specific environments or equipment recommendations call the DeNeef Technical Service Department.

STORAGE & HANDLING

Store in dry area in original resealable containers. Store at temperatures between 41°F and 86°F Once a pail has been opened, it should be used as soon as possible

Shelf Life: 2years if unopened and properly stored

Warning! If **HYDRO ACTIVE® Cut Cat F/XF** is allowed to freeze, it will lower performance.

PRECAUTIONS

Always use protective clothing, gloves and goggles consistent with OSHA regulations. Avoid eye and skin contact. Do not ingest. Refer to Material Safety Data Sheet for detailed safety precautions.

SAFETY INFORMATION

In the event of an EMERGENCY call:
CHEM-TREC 800-424-9300.

WARRANTY INFORMATION

DeNeef Construction Chemicals, Inc. products are warranted under the policy set forth under the WARRANTY section of the De Neef Construction Chemicals Inc., product catalog. Warranty information can also be obtained via the De Neef Construction Chemicals Inc. website at www.deneef.com, or by calling 713-896-0123 or toll free at 1-800-732-0166.

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