

EPOSIR® WD 711/A

DATA SHEET
REM/WD711A/1016/1

Description

Medium molecular weight epoxy resin in water dispersion.
The product contains 5% of organic solvent (1-methoxy-2-propanol).

Applications

The resin is intended to be used in combination with polyamines polyaminoamides or their adducts as curing agents, in the formulation of water-based two components primers and enamels for industrial anticorrosion and civil engineering.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight (*)	550 – 650	g/eq.	ISO 3001
Solid content	56.0 ± 2.0	%	SIR 10553
Brookfield viscosity at 25°C	200 - 1500	mPas	ASTM D 2196

(*) Determined on solid material (dried in the oven for 1h at 150°C).

Typical Properties

Property	Value	Unit	Method
Appearance	Milky liquid		SIR 10010
Density at 25°C	1.08	Kg/lt	ASTM D 1475

Supply Form

- Plastic Drums or 1MT bulk.

Storage stability

The product is stable for six months if stored in original containers, at temperature ranging from 15°C to 30°C. The material if exposed at temperature below 0°C can freeze. Freezing conditions or elevated temperatures will accelerate particle settling.

Safety

The product is not labelled according to actual norms.
Further advice is given in the safety data sheet.

Eposir®: SIR INDUSTRIALE registered trade mark.

N.B.: The data given in this brochure do not constitute characteristic properties of the single product.

To our best knowledge, the information contained in this brochure is accurate and corresponds to the truth.

However, any recommendations or suggestions are provided without any guarantee, since the conditions in which the products are used are not under our control. Furthermore, nothing contained in this brochure shall be interpreted as a recommendation for using the product in violation of any patents relating to the material and their uses.

EPOSIR[®] F 728 NF

PRODUCT DATA
SHEET
REM/F728NF/011801/1

Description

Low viscosity Bisphenol A/F based liquid epoxy resin, modified with a mono-functional reactive diluent. The resin is easily emulsifiable in water. Nonylphenol free surfactant version.

Applications

The resin is intended to be used in combination with polyamines polyaminoamides or their adducts as curing agents, in the formulation of water thinnable two components primers.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight	190 - 210	g/eq.	ISO 3001
Viscosity at 25°C	1200 - 1500	mPa.s.	ASTM D 0445
Colour	2 max	Sc. Gardner	ASTM D 1544

Typical Properties

Property	Value	Unit	Method
Density at 25°C	1.14	g/cm ³	ASTM D 1475

Supply Form

- Drums 220 Kg
- Bulk
- Containers.

Storage stability

The product is stable for one year if stored in original containers, in dry ambient, at temperature ranging from 15°C to 30°C.

Safety

The product is not flammable and we haven't noticed any toxic effects.
Further advice is given in the safety data sheet.

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EPOSIR[®] WD 733/67

PRODUCT DATA
SHEET
REM/733-67/040516/1

Description

Low molecular weight epoxy resin emulsified with water. Solid content 67%.
The resin does not contain organic solvents.

Applications

Suitable, in combination with water-based hardeners, for the formulation of water based paints and enamels with low VOC in the civil engineering and anticorrosion applications.

Sales specification

Property	Value	Unit	Method
Epoxy equivalent weight ⁽¹⁾	185-195	g.	ISO 3001
Brookfield Viscosity at 25°C ⁽²⁾	200 - 3000	mPa.s.	ASTM D 2196
Solid content	66.0 – 68.0	%.	SIR 10553

(1): determined on dry product (2): Spindle n°2 – vel 20 rpm

Typical Properties

Property	Value	Unit	Method
Appearance	Milky liquid		SIR 10010
Density at 25°C	1.08	g/cm ³	ASTM D 1475

Supply Form

- Drums 200 Kg
- Bulk (1 MT).

Storage stability

The product is stable for six months if stored in original containers, in dry ambient, at temperature ranging from 10°C to 30°C. The product could freeze if stored at temperature below 0°C.

Safety

The product is not flammable and we haven't noticed any toxic effects.
Further advice is given in the safety data sheet.

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EPOSIR® WD 741/A

DATA SHEET
(Provisional)
REM/WD741A/070708/1

Description

Experimental BPA based “type-4” epoxy resin in water dispersion.

The product contains 7% of organic solvent (1-methoxy-2-propanol/buthylglycol ratio 1:1).

Applications

The resin is intended to be used in combination with polyamines or aminic/melaminic products as curing agents, in the formulation of water-based two components primers and enamels for industrial anticorrosion. Good compatibility with “type-1” and “type-7” water based epoxy

Sales specification (provisional)

Property	Value	Unit	Method
Epoxy equivalent weight (*)	800 – 900	g/eq.	ISO 3001
Solid content	57.0 ± 2.0	%	SIR 10553
Brookfield viscosity at 25°C	100 - 1000	mPas	ASTM D 2196

(*) Determined on dried material in the oven for 1h at 150°C

Typical Properties

Property	Value	Unit	Method
Appearance	Milky liquid		SIR 10010
Density at 25°C	1.08	Kg/lt	ASTM D 1475

Supply Form

- Experimental product.

Storage stability

The product is stable for six months if stored in original containers, at temperature ranging from 15°C to 30°C. The material if exposed at temperature below 0°C can freeze. Freezing conditions or elevated temperatures will accelerate particle settling.

Safety

The product is not labelled according to actual norms.

Further advice is given in the safety data sheet.

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EPOSIR® WD 770/A

DATA SHEET

REM/WD770A/060513/1

Description

Water dispersion of Bisphenol A based high molecular weight “type-7” epoxy resin. Special grade with enhanced flexibility level. Solid content 40%. The product contains 14 % of organic solvent (glycol ethers).

Applications

The resin is especially recommended as epoxy modifier with Eposir WD 705 one-pack epoxy-phenolic system in order to improve flexibility and adhesion to formulated epoxy system. Suitable for anticorrosion paint oven cured..

Sales specification (provisional)

Property	Value	Unit	Method
Epoxy equivalent weight (*)	1500 - 2000	g/eq.	ISO 3001
Solid content	40.0 ± 1.0	%	SIR 10553
Ford ø4 cup viscosity at 25°C	15 - 40	seconds	ASTM D 1200

(*) Determined on dried material in the oven for 1h at 150°C

Typical Properties

Property	Value	Unit	Method
Appearance	Milky liquid		SIR 10010
Density at 25°C	1.08	Kg/lt	ASTM D 1475

Supply Form

Drums or Bulk .

Storage stability

The product is stable for six months if stored in original containers, at temperature ranging from 10°C to 30°C. The material if exposed at temperature below 0°C can freeze. Freezing conditions or elevated temperatures will accelerate particle settling.

Safety

The product is not labelled according to actual norms.
Further advice is given in the safety data sheet.

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EPOSIR® WD 771/A

DATA SHEET
(Provisional)
REM/WD771A/010505/1

Description

Experimental high molecular weight “type-7” epoxy resin in water dispersion. Solid content 52%. The product contains 11 % of organic solvent (glycol ethers).

Applications

The resin is intended to be used, in combination with melaminic or phenolic water based curing agents, in the formulation of oven cured water-based paints and enamels for industrial anticorrosion. Good adhesion and flexibility on metallic surfaces.

Sales specification (provisional)

Property	Value	Unit	Method
Epoxy equivalent weight (*)	1600 - 2100	g/eq.	ISO 3001
Solid content	52.0 ± 1.0	%	SIR 10553
Brookfield viscosity at 25°C	200 - 2000	mPas	ASTM D 2196

(*) Determined on dried material in the oven for 1h at 150°C

Typical Properties

Property	Value	Unit	Method
Appearance	Milky liquid		SIR 10010
Density at 25°C	1.08	Kg/lt	ASTM D 1475

Supply Form

- Experimental product.

Storage stability

The product is stable for six months if stored in original containers, at temperature ranging from 15°C to 30°C. The material if exposed at temperature below 0°C can freeze. Freezing conditions or elevated temperatures will accelerate particle settling.

Safety

The product is not labelled according to actual norms.

Further advice is given in the safety data sheet.

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