

Technical Data Sheet

primere

by metadynea

Primere 72 J320

Phenol-formaldehyde resin

TC (technical conditions) 2221-012-72149825-2014

Description

Primere 72 J320 is a liquid condensation product of phenol and formaldehyde used as bonding in insulation wool manufactory

Specification

Parameter	Range of values	Method
Appearance	Reddish brown liquid	Internal TC, p.4.2
pH at 20°C	7,5-9,0	Internal TC, p.4.4
Density at 20°C, kg/l	1,135-1,150	GOST 18329-73 method 2
Solid content* (0,6g /2h/130°C), %	42 ± 1	Internal TC, p.4.3
Water dilutability at 20°C, g/g	≥ 20	Internal TC, p.4.5
Storage stability at 20°C, days	28	-
Free formaldehyde content, %	≥ 11	ISO 9397-97, titration
Free phenol content**, %	≤ 1	ISO 8974-02

* after 14 days

** after 14 days

Form of delivery

Product is delivered in tank trucks.

Storage conditions

Primere 72 J320 can be stored in stainless steel tanks. Zinc or aluminum tanks are not suitable for storage of phenolic resins..

Recommendation: storage temperature should be about 20°C. Temperature should not be under 17°C

Storage stability at 20°C is about 28 days. It is possible to increase the temperature till 30°C during delivery and storage time, but it will reduce the shelf life of the resin.

General recommendations and additional information

The gelation time of Primere 72 J320 is about 6-10 min. When added the recommended amount of urea (27%), gelation time increases.

Free formaldehyde of Primere 72 J320 is more than 11%. The addition of optimal urea amount brings free formaldehyde to a level of about 0,5-0,7%.

Safety precautions

During the storage of Primere 72 J320 with heating the free formaldehyde can be released. Phenol formaldehyde resins may sensitize some people. The resins contains small amount of free formaldehyde to which some people are oversensitive. The product also contains free phenol. Allergic persons should avoid places where the product is used. The concentration of formaldehyde in the air should be maintained under maximum allowed value by adequate ventilation. When handling the resin, wear protective clothing including gloves, masks or goggles. In case of contact with skin, eyes or clothing, flush area with plenty of water

Additional information is given in the Material Safety Data Sheet.

For further technical information, please contact Technical Service.

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