

## Technical Data Sheet

# primere

by metadynea

## Primere 72 J110

Phenol-formaldehyde resin

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

### Description

Primere 72 J110 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	8,5-9,5	Internal TC, p.4.4
Density at 20°C, kg/l	1,180-1,200	GOST 18329-73 method 2
Solid content (0,6g /2h/130°C), %	50-52	Internal TC, p.4.3
Water dilutability at 20°C, g/g	≥ 20	Internal TC, p.4.5
Storage stability at 20°C, days	21	-
Free formaldehyde content, %	≤ 11	ISO 9397-97, titration
Free phenol content, %	≤ 0,4	ISO 8974-02

### Form of delivery

Product is delivered in tank trucks.

### Storage conditions

Primere 72 J110 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 14 – 20°C. Temperature should not be under 14°C

Storage stability at 20°C is about 3 weeks. In lower temperatures than 20°C, but not less 14°C the shelf life is higher.

## General recommendation

The gelation time of Primere 72 J110 is about 2 min. When added the recommended amount of urea (24%), gelation time increases.

Free formaldehyde of Primere 72 J110 is less than 11%. The addition of optimal urea amount brings free formaldehyde to a level of about 0,3 – 0,5%.

## Safety precautions

During the storage of Primere 72 J110 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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