

## Technical Data Sheet

**Desical agrocoating Basic** is a solvent-free, pre-filled and pigmented two-component reactive polymer based on epoxy resin.

### Use

**Desical agroating Basic** is used to create coats with a layer thickness of 1 - 5 mm. The coats help produce mechanically and chemically highly resistant surfaces on cement-bound substrates. **Desical agroating Basic** is especially useful for filling and leveling damaged concrete surfaces-- both inside and outside-- such as feed alleys in stables, flooring in workshops, dairies, and slaughterhouses, as well as flooring (and outside slabs) for keeping farm animals.

As a top coat as well as pigmented sealer **Desical agrocoating Top F** should be used.

### Properties

**Desical agroating Basic** is viscoplastic, resistant to chemicals, resistant to mechanical stress, physiologically safe, and highly abrasion-resistant.

The smooth coats created with **Desical agrocoating Basic** are very easy to clean. In its hardened state, **Desical agrocoating Basic** is largely resistant to fodder, silages, oils, fats, and a multitude of other chemical media.

### Processing

#### 1. Preparation:

The substrate must be free of dust, solid, and dry. Broken and missing pieces in the substrate must be filled (that is, repaired) with suitable cement mortar to make the previously damaged part level with the surface.

Clean and roughen the area to be treated by steam blasting, and then by flaming and sweeping it, or by sand blasting or shot blasting it and then sweeping it. This is a prerequisite for adequate adhesion. Difficult substrates should also be primed with an appropriate epoxy resin primer.

#### 2. Mixing:

The components resin and the hardener will be supplied in the fixed mixing ratio. Pour all of the hardener into the resin component and mix thoroughly using a power mixer (at no more than 300 rpm). Note that the temperature of both

components should be at least 15° Celsius. After mixing, transfer the mix to a clean container. **Do not process the mix directly from the packaging we supplied.**

At an ambient temperature of about +20° Celsius, the mix can be processed for about 40 minutes. Higher temperatures shorten this time, and lower temperatures extend it. **Desical agrocoating Basic** should not be processed under temperatures of +10° Celsius.

#### 3. Required Tools:

Stainless steel trowel for applying the mix  
Stainless steel smoothing tool for spreading and levelling  
Notched spreader allows for large-surface distribution  
Spiked roller prevents air bubbles  
Thick adhesive tape for taping and delimiting  
Epoxy resin cleaner and pieces of cloth (rags) for cleaning

#### 4. Personal Safety Equipment:

Wear nitrile gloves, protective goggles and spray protection!

### Application

#### 1. Coating:

Spread the mixed product with a spreader or notched trowel. Use a spiked roller extensively to release air bubbles. While the coated surfaces are hardening, they must be protected from pollution and from walking. Per mm of coat thickness, about 1.5 kg of **Desical agrocoating Basic** is required. To make the coat slip resistant, fire-dried quartz sand must be spread on it when fresh.

#### 2. Cleaning:

The mixer and tools as well as possible splatter must be cleaned by means of an epoxy resin cleaner as long as the splatter is fresh.

#### 3. Drying Time:

The surfaces can be walked on after 24 hours (if the surrounding temperature is +20° Celsius and the relative atmospheric humidity is 60%); after 3 days, the surfaces can be loaded, and after 7 days, they can be fully loaded both chemically and mechanically). In case of lower temperatures, these times increase.

## Technical Data

Color	RAL 7032
Mixing ratio (weight)	5:1
Density at 23° Celsius/rel. air humidity of 50%	1.45 g/cm <sup>3</sup>
Viscosity at 10° Celsius	about 4,500-5,500 mPas
Viscosity at 20° Celsius	about 2,000-2,500 mPas
Processing time at 10° Celsius	about 60 minutes
Processing time at 20° Celsius	about 40 minutes
Processing time at 30° Celsius	about 20 minutes
Recoatable at 10° Celsius	after 15 - 30 hours
Recoatable at 20° Celsius	after 10 - 20 hours
Minimum temperature for processing	10° Celsius at the substrate
Adhesive tensile strength	breaking concrete

## Form of Delivery

15-kg combi-metal containers

Development and Production:

**P & T Technische Moertel**

**GmbH & Co. KG**

**Bataverstrasse 83, 41462 Neuss**



Application Consulting and Sale:

**Hufgard GmbH**

**Antoniusstrasse 2-4, 63768 Hoesbach**

**Tel. + 49 / (0) 6024 6739-0**

**email: [info@desical.de](mailto:info@desical.de)**

