IRSA
Lackfabrik Irmgard Sallinger GmbH

Technical data sheet 04/2011

IRSA SILODON SPECIAL

For silo and stable walls

Basic: 1-component silo-coating polyurethane-based

Use and Characteristic:
IRSA SILODON SPECIAL is a ready to brush-on, stained coating, available in the colours: colourless, creme, light-grey.

IRSA SILODON SPECIAL is used as maintenance-free wall coating for all kinds of ferment-and fodder silos (drive-, high-, low-silos), also for preservationof damp-grain and damp-corn as well as stable-walls. IRSA SILODON SPECIAL is resistant against all arising acids in this area, highest abrasion resistance due to chemical netformation, free of PCP, PCB,formaldeyhd and lindan, steamer resistant, easy-to-use. IRSA SILODON SPECIAL is building up a dampness-barrier and so protecting all conctrete parts from damage by acids and Jauche.

Storage:
Keep dry and cool in well-ventilated area. Shelf life of unopened original container at normal room-temperature conditions for approx. 6 months. Keep opened containers tightly closed and work up within 2 weeks.

Subsurface/ Application:
Stir IRSA SILODON SPECIAL well before use! IRSA SILODON SPECIAL can be applied with brush or roller (nylon lambskin). Fresh concrete and plaster can be treated after 4 weeks at the earliest. The subsurface must be clean, solid, dust-free, absorbing and dry, also free of form work release oil, grease and loose rests of coatings. Too smooth or non-clean surfaces should be keyed. Concrete or plaster-surfaces, only rub with a wood- or felt-disc. Remove the cement-skin before priming. Old coatings, form work release oils etc., remove with hard brush or sand-steamer. Residues of form work release oil on concrete might cause de-adhesion of IRSA SILODON SPECIAL. In case the surface cannot be treated with a sand-steamer fill up the silo 1x and apply the coat a year later
With rain or wash-out keep a drying time of at least 3.4 days before applying the coatings

Coating system/ Consumption:
1. coating: Apply IRSA SILODON SPECIAL 1x diluted with 20 % IRSA Special-Thinner in brush-on or roll-on process, approx. 100-150 g/m².

2. coating: Apply IRSA SILODON SPECIAL 1x again after approx. 2 hours, undiluted in roll- or brush-on process, approx. 150 g/m².

3. coating: Repeat the process after approx. 4 hours, undiluted in roll- or brush-on process, approx. 150 g/m². After first drying (glue free), Immediately apply the next coat: Please follow the drying time instructions! First filling after approx. 5 days

Total Consumption of IRSA SILODON SPECIAL: approx. 400 – 450 g/m².

Examples for coating-systems and consumption:			
IRSA SILODON SPECIAL	**IRSA Special-Thinner**	**Productivity**	**Drying Time**
1. coating diluted with 20% of IRSA Special Thinner.			
25 kg	5 litres	approx. 200 m²	for all approx.
10 kg	2 litres	approx. 80 m²	2 hours
5 kg	1 litre	approx. 40 m²	
2. coating			
25 kg		approx. 165 m²	for all approx.
10 kg		approx. 65 m²	4 hours
5 kg		approx. 33 m²	
3. coating			
25 kg		approx. 165 m²	For all approx.
10 kg		approx. 65 m²	3-5 days
5 kg		approx. 33 m²	

After first drying, apply the next coat Immediately: Please follow the drying time instructions.

Experiences of the past years has shown that drive-silos are exposed to higher demands by acids and pressure approx. 40 cm in the lower area and with high-and low-silos in the lower 2 metres. Therefore we recommend a further application of IRSA SILODON SPECIAL in these lower areas. (Total consumption here approx.500 – 550 g/m²).

Thinner and Cleaning agent: Only use IRSA Special-Thinner.

Drying Times:
Max. intermediate drying time 8 hours. Keep silo well-ventilated, e.g. with grain-fan. Hardness for filling after approx. 3-5 days.

Tools:
IRSA Brush, IRSA Roller (nylon lambskin)

Temperatures:
Room/ subsurface and IRSA SILODON SPECIAL not below +15° C during process.

Precautions:
In exposure to flammable liquids regard the usual precautions

Please, follow the R- and S-Phrases, classification of dangerous liquids on caution marks and safety data sheets.

VOC-identification: 2004/42/2 A(i)600;500 g/l<495g/l

2004/42	year and number of EU-guideline
/2	addition 2
A	part A
( )	product sub-category
---;---- g/l	limit value 1.step/ limit value 2.step in g/l
< --- g/l	current VOC-value