



Housing Finance in Africa (A division of FinMark Trust

25 August 2011 5:30 - 7:30 Johannesburg, South Africa

Agenda

Looking back, moving forward

Getting to the point: how did FSC mortgages perform?

Some exciting next steps



Over a year ago, FinMark asked a set of key questions relating to FSC end user housing loans:



How have FSC loans performed?	 One and a half years after the end of the first phase of the FSC what do we now know about the performance of the 230,000+ mortgages and 570,000+ other housing loans originated as part of the FSC? How did mortgage loans perform over the variable interest rate cycle and how does this performance compare with performance in the market as a whole? What are the key risks in this market and how do these differ from risks in higher income segments?
What levels of access exist?	 Performance and access are two sides of the same coin. Performance can only be assessed with reference to access What are the key access barriers that inhibit borrowers from accessing housing finance?
So what?	 Based on what we know about performance and access in the FSC target market what interventions (if any) are required to support further market development? Given the availability of the proposed R1bn guarantee, how best should this facility be applied to support access and performance?
What data do we need?	 In light of the above what data should the industry be accessing and analysing on an on-going basis to assess market performance? How should this data be obtained? Who should provide it? Who should have access to it?



Access

- There is no data to assess access directly
- There was a noticeable decline in loan origination
- Data strongly suggests a decrease in the proportion of mortgages used to fund the purchase of homes
- There is no data to assess the reason for decline although discussions with developers indicates affordability (too much other credit) and impaired credit histories dominate
- The data for every housing loan application (including unsecured loans) is submitted by banks to the Office of Disclosure annually but no aggregated data is released

Performance

"Despite tough economic conditions, we are pleased to note that the entry level housing market continued to hold its own in terms of arrears as measured against the middle- to upper-income market segments. We believe this underscores both the need to retain banks' prudent origination and collection standards in this market and the willingness by homeowners to service their mortgage obligations.....

....We expect a tougher environment for 2009 because, at the time of finalising this review, all indications were that a number of factors will have a negative impact on the disposable income of people in this market. These include a 500 basis points rise in interest rates over two years, 33% growth in the average price of food, a doubling of fuel prices and sharp increases in both electricity and municipal utilities/rates and taxes. However, given historical successes, our members continue to make progress with this socio-economic imperative in South Africa. -BASA's 2008 Annual Review

Partly in response, FinMark launched the Housing Finance Temperature Gauge which relies on perceptions of lenders and developers



Table 4: Approach towards credit granting criteria Q2 2010 to Q2 2011: Lenders' perspective

Housing finance segment	Much more strict	More strict	The Same	Less strict	Much more relaxed
Incremental Financing	٥%	20%		20%	٥%
Non-Bank Mortgages	о%	20%		20%	0%
Bank Mortgages < R350 000	о%		0%		0%
Mortgages R350K to R500K	0%		0%		0%
Mortgages >R500K	0%		20%	20%	0%

Table 10: Trend in non-performing loans from Q2 2010 to Q2 2011: Lenders' perspective

Housing finance segment	Arrears increased a lot	Arrears increased a little		Arrears decreased a little	Arrears decreased a lot
Incremental Financing	0%	0%	40%	60%	0%
Non-Bank mortgages	0%				٥%
Bank Mortgages < R350 000	0%	0%	0%	80%	20%
Bank Mortgages R350K to R500K	0%	0%	0%	80%	20%
Bank Mortgages >R500K	0%	0%	٥%	60%	40%



Xert decision systems EIGHTY20

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At the same time, FinMark approached the CPA to obtain access to credit bureau data to assess mortgage performance. A key challenge was identifying FSC mortgages

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Step 1: Identify affordable areas		Only mortgages <u>o</u> Affordable Land a	ranted in lower income nd Housing Data Centre	or affordable areas as identified by the e were used
Step 2: Include individual borrowers only		Only those bonds were excluded). Traders (defined a	registered by individual as those who transact m	s were used (companies and institutions ore than once a year) were also excluded
Step 3: Select mortgages granted by the big four retail banks only		Only mortgages o	riginated by the big fou	r banks were included in the analysis
Step 4: Identify affordable primary bonds		These are identifice registration) and a upper limit of FSC	ed using a 20 year bonc a maximum affordability band for that year	at prime +2 (prevailing at the time of bond threshold of 30% of income using the
		Link the secondar Exclude the secor criteria above). V	y mortgage to the origin Idary mortgage if the in Vhere the primary bond	nal primary mortgage itial primary bond is not 'affordable' (using was registered prior to 2004, the upper limit
Step 5: Identify affordable secondary bonds		of the FSC income For the secondary secondary bond p must be affordabl secondary bond m	e band is calculated by a mortgage to be afforda lus remaining capital of e using a 20 year bond egistration) and a maxir	adjusting the 2008 amount for inflation able, the total outstanding capital of the the primary bond (assuming no pre-payment) at Prime +2 (prevailing at the time of the num affordability threshold of 30% of income

using upper limit of FSC band for that year

Note: The prime rate, as well as the inflation rate, was obtained from the South African Reserve Bank

The analysis provides a sufficiently close match to enable further analysis





Source: BASA, deeds data sourced from the ALHDC

179 903 valid unique borrower ID numbers were associated with the 223 000 mortgages identified. These were forwarded to XDS, a registered credit bureau

0

100 000



200 000

300 000

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Comparison between BASA data and Deeds data

R2 946

2008

2 171





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7.6% of FSC mortgages by value were 90 days or more in arrears in January 2011. Performance deteriorated noticeably from very low levels during 2006



NPL by calendar date



FSC loans appear to have performed slightly better than mortgages as a whole as reported by regulators. Ideally the analysis should be conducted on the same data source using the same methodology over the same origination window



NPLs: FSC mortgages compared to all mortgages

The reason for the deterioration in performance are well known. Prime interest rates increased from 10.5% in June 2006 to 15.5% two years later. Petrol and other commodity prices also increased sharply over that period













NPLs by opening balance



Joint mortgages appear to have performed better than single mortgages



NPLs by mortgage type: Single Vs Combined



NPL by months since inception



A vintage analysis highlights how this is impacted upon by the date of origination. The pattern across years is noticeably different



Vintage analysis: NPL by months since inception



Aging analysis over time (cumulative)









The analysis also explored performance by area. This varies significantly

NPL by suburb: 20 worst performing areas							
	2005	2006	2007	2008	2009	2010	
TAFELSIG (Cape Town)	1.7%	2.6%	5.3%	12.9%	20.5%	23.0%	
EASTRIDGE (Cape Town)	6.7%	6.5%	5.8%	8.9%	14.8%	16.8%	
MITCHELLS PLAIN (Cape Town)	0.0%	1.1%	0.9%	7.7%	12.6%	18.7%	
BETHELSDORP (Nelson Mandela Bay)	0.0%	0.2%	1.8%	8.2%	14.6%	17.4%	
BONTHEUWEL (Cape Town)	3.2%	3.2%	3.9%	8.3%	10.1%	16.3%	
BEACON VALLEY (Cape Town)	0.0%	2.0%	2.5%	8.8%	12.0%	15.5%	
MACASSAR (Cape Town)	8.8%	3.0%	1.6%	2.2%	14.8%	14.5%	
UITENHAGE (Nelson Mandela Bay)	0.0%	1.6%	2.1%	5.2%	10.9%	15.4%	
BELHAR (Cape Town)	2.0%	4.3%	1.5%	6.3%	11.9%	13.9%	
WESTRIDGE (Cape Town)	0.9%	1.4%	3.8%	9.9%	11.8%	13.0%	
KATLEHONG (Ekurhuleni)	0.8%	2.6%	4.6%	8.1%	11.7%	12.2%	
TOKOZA (Ekurhuleni)	7.8%	2.7%	5.7%	8.6%	10.2%	11.2%	
KHAYELITSHA (Cape Town)	2.2%	2.9%	3.4%	7.6%	9.8%	11.9%	
ALEXANDRA (City of Johannesburg)	0.0%	1.6%	1.9%	7.0%	14.3%	10.9%	
LENTEGEUR (Cape Town)	1.0%	2.5%	3.4%	5.7%	8.8%	11.8%	
PORT ELIZABETH	0.0%	0.0%	0.8%	1.5%	8.1%	13.4%	
KWANOBUHLE (Nelson Mandela Bay)	0.0%	0.8%	8.0%	8.7%	8.4%	8.7%	
EERSTE RIVER (Cape Town)	0.0%	1.9%	3.1%	3.2%	6.5%	13.0%	
PHOENIX (Ethekwini)	0.0%	1.3%	4.2%	4.3%	9.9%	10.1%	
JOHANNESBURG	0.0%	0.8%	3.1%	4.3%	10.7%	10.7%	

In summary:



- FSC mortgages appear to have performed slightly better than mortgages as a whole
- BUT
- It is difficult to draw firm conclusions:
 - We need to conduct the analysis on a like-for-like basis
 - Even if the probability of default is lower for FSC mortgages, this does not necessarily mean the loans are less risky than other mortgages. We need to explore loss given default as well as probability of default



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FinMark Trust's CAHF aims to conduct the analysis quarterly and to augment it continuously





Thank you



